

DEPARTMENT OF THE NAVY  
FY 1997 BUDGET ESTIMATES



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MARCH 1996

PROCUREMENT, MARINE CORPS  
BUDGET ACTIVITY 1

AMMUNITION

19960508 105

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DEPARTMENT OF THE NAVY  
FY 1997 PROCUREMENT PROGRAM  
(\$ IN MILLIONS)

DATE: MARCH 1996

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

EXHIBIT P-1

P-1 LINE #	BUDGET LINE #	NOMENCLATURE	IDENT CODE	FY 1995 AMOUNT	FY 1996 AMOUNT	FY 1997 AMOUNT
	BA 1	AMMUNITION		133.2	188.9	68.9
	BA 2	WEAPONS & TRACKED COMBAT VEHICLES		41.2	52.0	24.5
	BA 3	GUIDED MISSILES & EQUIPMENT		41.2	24.2	43.4
	BA 4	COMMUNICATIONS & ELECTRONICS EQUIPMENT		186.5	218.7	315.4
	BA 5	SUPPORT VEHICLES		31.1	22.8	14.0
	BA 6	ENGINEER & OTHER EQUIPMENT		75.2	81.3	46.6
	BA 7	SPARES & REPAIR PARTS		31.0	50.9	42.7
TOTAL PMC APPROPRIATION				539.4	638.8	555.5

NOTE: FOR FY 1995 AND FY 1996, BA1 AMMUNITION APPROPRIATED IN PROCUREMENT OF AMMUNITION, NAVY/MARINE CORPS

DEPARTMENT OF THE NAVY  
FY 1997 PROCUREMENT PROGRAM  
(\$ IN MILLIONS)

DATE: MARCH 1996

EXHIBIT P-1R

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

P-1 LINE #	BUDGET LINE #	NOMENCLATURE	IDENT CODE	FY 1995 AMOUNT	FY 1996 AMOUNT	FY 1997 AMOUNT
	BA 1	AMMUNITION		2.1	1.4	2.3
	BA 2	WEAPONS & TRACKED COMBAT VEHICLES		2.2	14.2	4.5
	BA 3	GUIDED MISSILES & EQUIPMENT		18.0	4.9	0.9
	BA 4	COMMUNICATIONS & ELECTRONICS EQUIPMENT		23.4	8.8	58.9
	BA 5	SUPPORT VEHICLES		0.2	0.8	0.0
	BA 6	ENGINEER & OTHER EQUIPMENT		0.5	8.2	2.6
	BA 7	SPARES & REPAIR PARTS		0.1	0.2	0.2
TOTAL PMC APPROPRIATION				46.5	38.5	69.4

NOTE: FOR FY 1995 AND FY 1996, BA1 AMMUNITION APPROPRIATED IN PROCUREMENT OF AMMUNITION, NAVY/MARINE CORPS



DEPARTMENT OF THE NAVY  
FY 1997 PROCUREMENT PROGRAM  
(\$ IN MILLIONS)

DATE: MARCH 1996

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

EXHIBIT P-1

P-1 LINE #	BUDGET LINE #	NOMENCLATURE	IDENT CODE	FY 1995 AMOUNT	FY 1996 AMOUNT	FY 1997 AMOUNT
BUDGET ACTIVITY 1 - AMMUNITION						
1	101000	5.56 MM, ALL TYPES		7.1	27.9	20.4
2	102000	7.62 MM, ALL TYPES		0.04	11.8	6.5
3	104000	.50 CALIBER		7.3	44.1	6.1
4	105000	40 MM, ALL TYPES		12.4	3.9	3.2
5	108000	60MM HE M888		16.0	9.6	5.1
6	109000	81 MM HE		15.7	10.9	1.7
7	110000	81 MM SMOKE SCREEN		4.3	5.3	2.6
8	112400	120 MM TPCSDS-T M865		10.3	8.7	2.5
9	113000	120 MM TP-T M831		4.9	3.2	1.7
10	138800	25MM, ALL TYPES		8.9	6.6	4.8
11	142800	9 MM ALL TYPES		1.6	2.9	2.8
12	146800	GRENADES, ALL TYPES		0.0	1.1	0.7
13	163000	AMMO MODERNIZATION		9.4	9.4	9.1
14	166300	ITEMS LESS THAN \$2 MILLION		4.9	11.0	1.6
-	111300	81 MM, ILLUMINATION, M853		13.0	0.0	0.0
-	117000	155MM CHG. PROP RED BAG		0.0	15.7	0.0
-	119300	FUZE, ET, M762		17.2	9.8	0.0
-	147100	ROCKETS, ALL TYPES		0.1	6.9	0.0
*** BUDGET ACTIVITY 1 TOTAL ***				133.2	188.9	68.9

NOTE 1: FOR FY 1995 AND FY 1996, BA1 AMMUNITION APPROPRIATED IN PROCUREMENT OF AMMUNITION, NAVY/MARINE CORPS

NOTE 2: ALL AMMUNITION P-1 NUMBERS CORRESPOND TO PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS (PANMC) LINE NUMBERS

UNCLASSIFIED

PMC BUDGET BRANCH/ILT\_B

DEPARTMENT OF THE NAVY  
FY 1997 PROCUREMENT PROGRAM  
(\$ IN MILLIONS)

DATE: MARCH 1996

EXHIBIT P-1R

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

P-1 LINE #	BUDGET LINE #	NOMENCLATURE	IDENT CODE	FY 1995 AMOUNT	FY 1996 AMOUNT	FY 1997 AMOUNT
BUDGET ACTIVITY 1 - AMMUNITION						
1	101000	5.56 MM, ALL TYPES		0.09	0.5	0.4
2	102000	7.62 MM, ALL TYPES		0.0	0.0	1.1
3	104000	.50 CALIBER		0.5	0.0	0.3
4	105000	40 MM, ALL TYPES		0.2	0.01	0.02
6	109000	81 MM HE		0.6	0.0	0.0
10	138800	25MM, ALL TYPES		0.6	0.8	0.5
11	142800	9 MM ALL TYPES		0.001	0.05	0.03
14	166300	ITEMS LESS THAN \$2 MILLION		0.04	0.05	0.008
*** BUDGET ACTIVITY 1 TOTAL ***				2.1	1.4	2.3

NOTE: FOR FY 1995 AND FY 1996, BA1 AMMUNITION APPROPRIATED IN PROCUREMENT OF AMMUNITION, NAVY/MARINE CORPS

NOTE 2: ALL AMMUNITION P-1 NUMBERS CORRESPOND TO PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS (PANMC) LINE NUMBERS

04/03/96

UNCLASSIFIED

Procurement of Ammunition, Navy & Marine Corps  
Program and Financing (in Thousands of dollars)

00 MAR 96

Identification code	17-1508-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)				Obligations	
		1995 actual	1996 est.	1997 est.	1995 actual	1996 est.	1997 est.
<b>Program by activities:</b>							
<b>Direct program:</b>							
00.0101	Proc Ammo, Navy	274,782	217,183		187,412	227,373	66,557
00.0201	Proc Ammo, MC	133,164	198,890		122,159	153,374	34,537
00.9101	Total direct program	407,946	416,073		309,571	380,747	101,094
01.0101	Reimbursable program		10,000				
10.0001	Total	407,946	426,073		309,571	380,747	101,094
<b>Financing:</b>							
<b>Offsetting collections from:</b>							
<b>Federal funds(-)</b>							
11.0001	Unobligated balance available, start of year:		-10,000			-10,000	
21.4002	For completion of prior year budget plans					-98,375	-143,701
21.4003	Available to finance new budget plans		-6,900			-6,900	
	Unobligated balance available, end of year:					143,701	42,607
24.4002	For completion of prior year budget plans	6,900			98,375	6,900	
24.4003	Available to finance subsequent year budget						
39.0001	Budget authority	414,846	409,173		414,846	409,173	
<b>Budget authority:</b>							
40.0001	Appropriation	414,846	430,053		414,846	430,053	
41.0001	Transferred to other accounts (-)		-20,880			-20,880	
43.0001	Appropriation (adjusted)	414,846	409,173		414,846	409,173	
<b>Relation of obligations to outlays:</b>							
71.0001	Obligations incurred				309,571	370,747	101,094
72.4001	Obligated balance, start of year					111,518	187,526
74.4001	Obligated balance, end of year				-111,518	-187,526	-136,488
90.0001	Outlays (net)				198,053	294,739	152,132

Procurement of Ammunition, Navy & Marine Corps  
Object Classification (in Thousands of dollars)

00 MAR 96

Identification code	17-1508-0-1-051	1995 actual	1996 est.	1997 est.
Direct obligations:				
125.303	Purchases goods/services (inter/intra) Fed accounts	270,175	331,014	87,024
131.001	Purchases from revolving funds	39,396	49,733	14,070
	Equipment			
199.001	Total Direct obligations	309,571	380,747	101,094
999.901	Total obligations	309,571	380,747	101,094

Procurement of Ammunition, Navy & Marine Corps  
(Rescission Proposal)  
Program and Financing (in Thousands of dollars) SUPPLEMENTAL

00 MAR 96

Budget Plan (amounts for PROCUREMENT actions programed)		Obligations			
Identification code	17-1508-5-1-051	1995 actual	1996 est.	1997 est.	1997 est.
Program by activities:					
10.0001	Total	-10,000	-7,500	-1,500	
Financing:					
Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans				2,500
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans		-2,500	-1,000	
40.3501	Budget authority (Appropriation rescinded) (	-10,000	-10,000		
Relation of obligations to outlays:					
71.0001	Obligations incurred		-7,500	-1,500	
72.4001	Obligated balance, start of year			-2,730	
74.4001	Obligated balance, end of year		2,730	1,830	
90.0001	Outlays (net)		-4,770	-2,400	

Procurement of Ammunition, Navy & Marine Corps  
 (Rescission Proposal)  
 Object Classification (in Thousands of dollars)

00 MAR 96

SUPPLEMENTAL

Identification code	17-1508-5-1-051	1995 actual	1996 est.	1997 est.
Direct obligations:				
131.001 Equipment			-7,500	-1,500
199.001 Total Direct obligations			-7,500	-1,500
999.901 Total obligations			-7,500	-1,500

00 MAR 96

Procurement, Marine Corps  
Program and Financing (in Thousands of dollars)

Identification code	17-1109-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations		
		1995 actual	1996 est.	1997 est.	1995 actual	1996 est.	1997 est.
Program by activities:							
Direct program:							
00.0101	Ammunition			68,884	4,062		55,107
00.0201	Weapons and combat vehicles	41,200	51,977	24,481	45,727	109,017	31,135
00.0301	Guided missiles and equipment	41,216	24,208	43,460	53,866	20,080	38,907
00.0401	Communications and electronics equipment	186,527	218,696	315,393	201,154	208,168	294,325
00.0501	Support vehicles	31,148	22,859	13,972	31,838	25,198	16,164
00.0601	Engineer and other equipment	75,160	81,325	46,653	70,916	88,992	53,244
00.0701	Spares and repair parts	30,975	50,886	42,664	35,833	41,961	42,698
00.9101	Total direct program	406,226	449,951	555,507	443,396	493,416	531,580
01.0101	Reimbursable program	3,911	9,400	9,400	3,838	13,067	9,400
10.0001	Total	410,137	459,351	564,907	447,234	506,483	540,980
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)	-3,795	-9,400	-9,400	3,080	-9,400	-9,400
13.0001	Trust funds(-)	-116			-369		
17.0001	Recovery of prior year obligations				-17,148		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-190,167	-159,153	-112,021
21.4003	Available to finance new budget plans	-6,600	-378		-6,600	-378	
21.4009	Reprogramming from/to prior year budget plan	-4,443					
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans	378			159,153	112,021	135,948
24.4003	Available to finance subsequent year budget	4,443			378		
25.0001	Unobligated balance expiring				4,443		
39.0001	Budget authority	400,004	449,573	555,507	400,004	449,573	555,507
Budget authority:							
40.0001	Appropriation	419,444	454,765	555,507	419,444	454,765	555,507
41.0001	Transferred to other accounts (-)	-20,240	-6,087		-20,240	-6,087	
42.0001	Transferred from other accounts	800	895		800	895	
43.0001	Appropriation (adjusted)	400,004	449,573	555,507	400,004	449,573	555,507

00 MAR 96

Procurement, Marine Corps  
Program and Financing (in Thousands of dollars)

Budget Plan (amounts for PROCUREMENT  
actions programed)

1995 actual 1996 est. 1997 est. 1995 actual 1996 est. 1997 est.

Identification code	17-1109-0-1-051	1995 actual	1996 est.	1997 est.	1995 actual	1996 est.	1997 est.
Relation of obligations to outlays:							
71.0001	Obligations incurred				449,945	497,083	531,580
72.4001	Obligated balance, start of year				1,036,638	851,409	820,396
74.4001	Obligated balance, end of year				-851,409	-820,396	-786,756
77.0001	Adjustments in expired accounts (net)				-20,759		
78.0001	Adjustments in unexpired accounts				-17,148		
90.0001	Outlays (net)				597,267	528,096	565,220



Procurement, Marine Corps  
Object Classification (in Thousands of dollars)

00 MAR 96

Identification code	17-1109-0-1-051	1995 actual	1996 est.	1997 est.
Direct obligations:				
125.101 Advisory and assistance services		4,636	3,101	4,552
126.001 Supplies and materials		174,721	165,328	225,883
131.001 Equipment		264,039	324,987	301,145
199.001 Total Direct obligations		443,396	493,416	531,580
Reimbursable obligations:				
231.001 Equipment		3,838	13,067	9,400
299.001 Total Reimbursable obligations		3,838	13,067	9,400
999.901 Total obligations		447,234	506,483	540,980

Comparison of FY 1995 Program Requirements as Reflected  
in the FY1996 Budget with the FY 1995 Requirements  
as shown in the FY 1997 Budget

DATE: MARCH 1996

Summary of requirements (in millions of Dollars)

NOMENCLATURE	Total Program Requirements per FY 1996 Budget	Total Program Requirements per FY 1997 Budget	Increase or decrease (-)
BA 1 AMMUNITION (PANMC)	135.3	133.2	-2.1
BA 2 WEAPONS & TRACKED COMBAT VEHICLES	30.3	41.2	10.9
BA 3 GUIDED MISSILES & EQUIPMENT	49.9	41.2	-8.7
BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT	196.3	186.5	-9.7
BA 5 SUPPORT VEHICLES	27.8	31.1	3.3
BA 6 ENGINEER & OTHER EQUIPMENT	76.6	75.2	-1.4
BA 7 SPARES & REPAIR PARTS	37.3	31.0	-6.3
Subtotal Direct Program	553.5	539.4	-14.1
Reimbursable	9.4	3.9	-5.5
Total Fiscal Year	562.9	543.3	-19.6

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Comparison of FY 1995 Program requirements as Reflected  
in the FY 1996 Budget with the FY 1995 Requirements  
as shown in the FY 1997 Budget

Summary of Requirements ( In millions of Dollars)

1. Ammunition (-\$2.1)

The Rockets, All Types line in the Procurement of Ammunition Navy and Marine Corps Appropriation (PANMC) had an excess of funds and was rescinded in section 8092 Ship Cost Adjustments (-\$2.1).

2. Weapons and Tracked Combat Vehicles (\$10.9)

All changes were the result of minor execution adjustments (\$10.9).

3. Guided Missiles and Equipment (-\$8.7)

All changes were the result of minor execution adjustments (-\$8.7).

4. Communications and Electronics Equipment (-\$9.7)

Funds were reduced from the Intelligence Support Equipment and Automated Data Processing Equipment Lines as part of approval of the Omnibus reprogramming (-\$12.4). The remainder was due to minor execution adjustments (\$2.7).

5. Support Vehicles (\$3.3)

All changes were the result of minor execution adjustments (\$3.3).

6. Engineer and Other Equipment (\$1.4)

All changes were the result of minor execution adjustments (\$1.4).

7. Spares and Repair Parts (-\$6.3)

All changes were the result of minor execution adjustments (-\$6.3).

Comparison of FY 1995 Financing as Reflected  
In the FY1996 Budget with the FY 1995 Financing  
as shown in the FY 1997 Budget

Summary of requirements (In millions of Dollars)

Description	Financing per FY 1996 Budget	Financing per FY 1997 Budget
Program Requirements (Total) (Total Direct) (Total Reimbursable)	562.9 (553.5) (9.4)	543.3 (539.4) (3.9)
Less: Anticipated Reimbursements Appropriation Reschded	(9.4)	(3.9) (14.9)
Add: Transferred from Other Accounts		0.8
Appropriation (Adjusted)	553.5	525.3

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Comparison of FY 1995 Financing as Reflected  
in the FY 1996 Budget with the FY 1995 Financing  
as shown in the FY 1997 Budget

Summary of Requirements ( In millions of Dollars)

Explanation of Changes

The decrease in program financing represents Congressional Action of the FY 1996 Presidents Budget. The following programs were affected: Rockets, All types, Intelligence Support Equipment, Automated Data Processing Equipment (ADPE), and the Drug Interdiction Program. The Rockets (-\$2.1) and ADPE Programs (-\$0.4) were reduced as a result of Congressional Action (sec 8092) (-\$2.5). The Intelligence Support Equipment (-\$9.0) and ADPE (-\$3.4) Programs were reduced due to Congressional approval of the Omnibus Reprogramming (-\$12.4). The Drug Interdiction Program received funds from the Procurement Defense-Wide Appropriation (\$0.8).

Comparison of FY 1996 Program Requirements as Reflected  
In the FY1996 Budget with the FY 1996 Requirements  
as shown in the FY 1997 Budget

DATE: MARCH 1996

Summary of requirements (In millions of Dollars)

NOMENCLATURE	Total Program Requirements per FY 1996 Budget	Total Program Requirements per FY 1997 Budget	Increase or decrease (-)
BA 1 AMMUNITION (PANMC)	110.9	188.9	78.0
BA 2 WEAPONS & TRACKED COMBAT VEHICLES	39.1	52.0	12.9
BA 3 GUIDED MISSILES & EQUIPMENT	31.0	24.2	-6.8
BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT	166.6	218.7	52.1
BA 5 SUPPORT VEHICLES	24.1	22.9	-1.3
BA 6 ENGINEER & OTHER EQUIPMENT	50.6	81.3	30.8
BA 7 SPARES & REPAIR PARTS	52.0	50.9	-1.1
Subtotal Direct Program	474.1	638.8	164.7
Reimbursable	9.4	9.4	0.0
Total Fiscal Year	483.5	648.2	164.7

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Comparison of FY 1996 Program requirements as Reflected  
in the FY 1996 Budget with the FY 1996 Requirements  
as shown in the FY 1997 Budget

Summary of Requirements ( In millions of Dollars)

1. Ammunition (\$78.0)

Procurement of Ammunition Navy and Marine Corps received Congressional Increases. The following rounds received Congressional Increases: 7.62 MM, All Types; .50 Caliber, All Types; 81MM HE; 155mm Red Bag; Fuze, M762; Grenades, All Types; and Items Less than \$2 million (\$92.3). Decreases included prorated reductions for revised economic assumptions (-\$4.3) and a proposed fiscal year 1996 rescission resulted in a reduction to the 81MM HE round (-\$10.0).

2. Weapons and Tracked Combat Vehicles (\$12.9)

The Modification Kits (Tracked Vehicle) Program received a Congressional Increase (\$12.3). Revised economic assumptions reduced funds (-\$1.1) and minor execution adjustments increased funding (\$1.7).

3. Guided Missiles and Equipment (-\$6.8)

Revised economic assumptions resulting in a prorated reduction (-\$0.5). The remainder was due to minor execution adjustments (-\$6.3).

4. Communications and Electronics Equipment (\$52.1)

Communications and Electronics Equipment received Congressional Increases (\$38.0). Additionally, revised economic assumptions reduced funding (-\$4.5) and a fair share distribution of a Congressional ADP adjustment also reduced funds (-\$0.2). The remainder was due to minor execution adjustments (\$18.5).

5. Support Vehicles (-\$1.3)

The Trailer Program received Congressional Increases (\$5.5). Also, revised economic assumptions reduced funding (-\$0.6). The remainder was due to minor execution adjustments (\$6.2).

6. Engineer and Other Equipment (\$30.8)

The Training Devices Program received Congressional Increases (\$38.6). Also, revised economic assumptions resulted in prorated reductions (-\$1.8) and a transfer from O&M, MC increased funding for expense\investment limitations (\$0.9). The remainder was due to minor execution adjustments (-\$6.9).

7. Spares and Repair Parts (-\$1.1) Revised economic assumptions reduced funding for Spares and Repair parts (-\$1.1).

Comparison of FY 1996 Financing as Reflected  
In the FY1996 Budget with the FY 1996 Financing  
as shown in the FY 1997 Budget

Summary of requirements (In millions of Dollars)

Description	Financing per FY 1996 Budget	Financing per FY 1997 Budget
Program Requirements (Total) (Total Direct)	474.1	648.2
(Total Reimbursable)	(464.7)	(638.8)
	(9.4)	(9.4)
Less:		
Anticipated Reimbursements		
Appropriation Rescinded	(9.4)	(9.4)
Add:		
Transferred from Other Accounts		0.9
Appropriation (Adjusted)	464.7	639.7

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Comparison of FY 1996 Financing as Reflected  
in the FY 1996 Budget with the FY 1996 Financing  
as shown in the FY 1997 Budget

Summary of Requirements ( In millions of Dollars)

Explanation of Changes

The increase in program financing represents Congressional Action of the FY 1996 President's Budget. Congressional Increases to high priority Marine Corps Programs resulted in increases totaling \$188.0 million.

Additionally, other Congressional Action of the FY 1996 President's Budget had the following impacts: the Automated Data Processing Equipment Program was reduced due to Section 8101 of the fiscal year 1996 DoD appropriations Act (-\$0.2). The Command Support Equipment Program had funds transferred from O&MMC due to expense investment threshold limitations (\$0.9). Reductions totaling \$14.0 million were prorated against all procurement programs due to section 8125 revised economic assumptions (-\$14.0).

Lastly, the 81 MM HE Round was partially recommended for rescission (-\$10.0).

BUDGET ITEM JUSTIFICATION SHEET											
DATE:											
(ALTCODE: 010041 )											
P-1 NOMENCLATURE:											
5.56MM, ALL TYPES											
APPROPRIATION/											
PROCUREMENT, MARINE CORPS, BA 01											
FY 1994											
FY 1995											
FY 1996											
FY 1997											
FY 1998											
FY 1999											
FY 2000											
FY 2001											
QUANTITY											
COST (M\$)											
0.000											
7.101											
27.885											
20.425											
29.172											
30.559											
33.800											
20.334											

This P-40 combines all 5.56mm ammunition, including ball ,linked and blank training rounds.

NOTE: In FY95 & FY96, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

5.56 MM, All Types correlates to PANMC P-1 Number 19.

PROGRAM COST BREAK-DOWN										DATE
APPROPRIATION/										
PROCUREMENT MARINE CORPS, BA 01										
P-1 ITEM NOMENCLATURE										(010041)
5.56MM, ALL TYPES										
ELEMENT OF COST										
(TOTAL COST IN MILLIONS OF DOLLARS)										
IDEN	FY - 1994	FY - 1995	FY - 1996	FY - 1997						
CODE										
	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
CTG, 5.56MM 4 & 1 LINKED	0	0.000	0	0.000	0	0.000	1771447	0.000	1771447	0.925
CTG, 5.56MM BALL	0	0.000	0	0.000	48746611	0	19.022	36072770	13.988	0.000
CTG, 5.56MM BALL LINKED	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
CTG, 5.56MM BLANK	0	0.000	32627747	7.101	17145530	3.884	22818077	5.512	5.512	0.000
CTG, 5.56MM BLANK LINKED	0	0.000	0	0.000	13090999	4.979	0	0.000	0	0.000
TOTAL VALUE		0.000		7.101		27.885		20.425		

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## P-1 NOMENCLATURE:

RCN 01-110-1

CTG, 5.56MM 4 &amp; 1 LINKED

## APPROPRIATION/

PROCUREMENT, MARINE CORPS, BA 01

FY 2001

FY 2000

FY 1999

FY 1998

FY 1997

FY 1996

FY 1995

FY 1994

## QUANTITY

0

0

0

1,771,447

9,664,841

13,763,169

6,737,365

3,229,000

## COST (M\$)

0.000

0.000

0.000

0.925

5.404

7.868

3.936

1.928

This round will be used in the Squad Automatic Weapons System which is a light weight (17-21 lbs w/200rounds ammo), linked belt fed, one-man operated weapon. This item consists of the M855 ball linked with the M856 tracer round.

For FY97 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	12819589	12819589	12819589
Loss	260244	221004	181882
Gains	0	0	0

This is Code "A".

FY 2001

FY 2000

FY 1999

FY 1998

FY 1997

FY 1996

FY 1995

FY 1994

## CONSUMPTION

0.000

0.000

0.000

0.925

5.404

7.307

3.936

1.928

## WAR RESERVES

0.000

0.000

0.000

0.000

0.000

0.561

0.000

0.000

## COST (M\$)

0.000

0.000

0.000

0.925

5.404

7.868

3.936

1.928

## P-1 SHOPP LIST

## ITEM NO.

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

APPROPRIATION BUDGET ACTIVITY:

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

P-1 ITEM NOMENCLATURE:

CTG, 5.56MM 4 & 1 LINKED

DATE:

NSN: 1305-01-252-0153  
( A064 )

ELEMENT OF COST QM: EA	FY 1994 (QTY		0 )		FY 1995 (QTY		0 )		FY 1996 (QTY		0 )		FY 1997 (QTY		1771447 )	
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	TOTAL
HARDWARE																
1. LOAD, ASSEMBLE, AND PACK (LAP)													1771447	0.40	714	714
2. PROPELLANT WC844T (LB)													1418	5.83	8	8
3. PROPELLANT WC844 (LB)													5846	5.83	34	34
4. LINK M27													1815734	0.02	27	27
SUBTOTAL																783
PRODUCT																
1. PRODUCTION ENGINEERING																33
2. QUALITY ASSURANCE																1
3. ACCEPTANCE TESTING																9
4. INTERIM TRANSPORTATION																7
5. INDUSTRIAL STOCK SUPPORT																
6. CAWCF GAIN/LOSS SURCHARGE																92
SUBTOTAL																142
TOTAL P-1 LINE ITEM																925

DATE:

PROCUREMENT HISTORY & PLANNING

NSN: 1305-01-252-0153

P-1 ITEM NOMENCLATURE

( A064 )

CTG, 5.56MM 4 & 1 LINKED

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES AVAIL REV WHEN REQD AVAIL
---------------------------	------------	------------------------------	------------------	---------------	------------------------------	----------	-----------	--------------	----------------------------------------------

1 . LOAD, ASSEMBLE, AND PACK (LAP)

FY 1997 OLIN CORP  
INDEPENDENCE, MO

SS/CPAF

IOC

NOV 96

OCT 97

1771447

0.40

YES

NO

2 . PROPELLANT WC844T (LB)

FY 1997 OLIN  
ST MARKS, FL

SS/FP

IOC

AUG 97

SEP 97

1418

5.83

YES

NO

3 . PROPELLANT WC844 (LB)

FY 1997 OLIN  
ST MARKS, FL

SS/FP

IOC

AUG 97

SEP 97

5846

5.83

YES

NO

4 . LINK M27

FY 1997

C/FP

IOC

JAN 97

JUL 97

1815734

0.02

YES

NO

REMARKS:

LINE ITEM 4 - \*\* PACING COMPONENT LINE ITEM 4 - TBS - To Be Selected

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

P20A DISPLAY FOR DODIC: A064

ITEM: CTG, 5.56MM 4 & 1 LINKED

PM: AM

MODEL NO: M855/M856

RCN: 03011101

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE					21,311,023
FORCES AFLOAT		4,493,672	13,092,125	3,725,226	7,522,226
SUBTOTAL				7,522,226	28,833,249
2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE					6,429,348
FORCES AFLOAT		1,639,720	1,249,746	3,539,882	2,153,770
SUBTOTAL				2,153,770	8,583,118
MRC TOTALS					37,416,367
3 SPECIAL MISSION FORCES	15,343				15,343
4 PEACETIME OPERATING STOCKS	3,652,135				3,652,135
5 TRAINING REQUIREMENT	14,980,644				14,980,644
6 GEO PREPOSITIONED					
NALMEB	1,854,400				1,854,400
GITMO	342,217				342,217
WRSB					
7 RESIDUAL	5,245,225				5,245,225
8 REGENERATION					
APPROVED ACQUISITION OBJECTIVE	26,089,964	6,133,392	14,341,871	16,941,104	63,506,331

### MPS BREAKOUT

MPS 1	1,858,400				1,858,400
MPS 2	1,858,400				1,858,400
MPS 3	1,858,400				1,858,400

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 63506331  
 ACQUISITION OBJECTIVE: 63506331  
 LEADTIME: 13

DODIC: A064  
 DESCRIPTION: CTG, 5.56MM 4 & 1 LINKED

\*\*\*\*\*  
 30 SEPT 1993  
 \*\*\*\*\*

	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:				
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$0.5200
TOTAL PRICE:	\$0	\$0	\$0	\$925,000
FY BUDGET QTY:	0	0	0	1771447
GAINS:				
FDP DELIVERIES:	0	0	0	0
OTHER ( 93 & PRIOR)	26251200	0	0	0
TOTAL:	26251200	0	0	0
LOSSES:				
COMBAT:	0	0	0	0
COMBAT ALLIES:	0	0	0	0
PEACETIME:	12140725	12819589	12819589	12819589
WASHOUT:	218568	260244	221004	181882
SALES:	0	0	0	0
OTHER:	0	0	0	0
TOTAL:	12359293	13079833	13040593	13001471
NET CHANGE (+/-)	13891907	-13079833	-13040593	-13001471
ASSET POSITION:				
STD SERVICEABLE:	72856005	73668079	60627486	47626015
UNSERVICEABLE:	0	0	0	0
MAINTENANCE:	0	0	0	0
SUBSTITUTE:	0	0	0	0
TOTAL:	72856005	73668079	60627486	47626015
\$ VALUE:	\$0	\$0	\$0	\$24,765,528
RECOMMENDED BUY QTY	-9349674	-10161748	2878845	15880316
\$ VALUE:	\$0	\$0	\$0	\$8,257,765
DEFICIENCY A.O.	-9349674	-10161748	2878845	15880316
\$ VALUE:	\$0	\$0	\$0	\$8,257,765
PERCENT OF OBJECTIVE:	115%	116%	95%	75%





[illegible]

NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX AFTER D DAY
		MINIMUM	185 MAXIMUM	
1	OLIN CORP. ST PETERSBURG, FL	0.70	0.83	0.00
2	LAKE CITY AAP, INDEPENDENCE MO	0.00	11.50	39.30
				0.00

PROCUREMENT LEAD TIME					
	ADMIN LEAD TIME			PROD. LEAD TIME	
	PRI	OCT	AFT OCT	OCT	AFT OCT
INITIAL	6.00	2.00	11.00	13.00	13.00
REORDER	6.00	2.00	11.00	13.00	13.00

REMARKS:  
PACKING COMPONENT (U/M=K/LB)  
TOTAL  
QUANTITY IN MILLIONS

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/

P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01

CTG, 5.56MM BALL

RCN 01-119-1

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	48,746,611	36,072,770	37,064,958	35,567,186	38,324,421	13,099,811
COST (\$)	0.000	0.000	19.022	13.988	15.389	15.096	16.625	5.807

The 5.56mm M855 Ball Cartridge replaced the standard M193 Ball Cartridge. The M855 Cartridge provides greater penetration and range over the M193 cartridge when fired from the M16A2 rifle. The increased penetration and range are achieved through use of a steel conical insert in the ogive of the bullet. This item shares production with the M856 tracer.

This is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

	FY95	FY96	FY97
Projected Qty			
Consumption	60703258	60703258	48080436
Loss	670812	486690	303120
Gains	0	0	44684393

THIS ITEM IS CODE "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	19.022	13.988	15.389	15.096	16.625	5.807
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (\$)	0.000	0.000	19.022	13.988	15.389	15.096	16.625	5.807

P-1 SHOPP LIST

ITEM NO.

Page

EXHIBIT 10-40

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE:  
NSN: 1305-01-155-5459  
( A059 )

P-1 ITEM NOMENCLATURE:  
CTG, 5.56MM BALL

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST QM: EA	FY 1994 (QTY		0 )		FY 1995 (QTY		0 )		FY 1996 (QTY		48746611 )		FY 1997 (QTY		36072770 )	
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	
HARDWARE																
1. LOAD, ASSEMBLE, AND PACK (LAP)										48746611	0.27	13342		36072770	0.30	10789
2. BOX METAL M2A1										59471	5.62	334		44009	5.07	223
3. PROPELLANT WC844 (LB)										194987	6.50	1267		144292	5.83	841
SUBTOTAL												14943				11853
PRODUCT																
1. PRODUCTION ENGINEERING												463				490
2. QUALITY ASSURANCE												21				17
3. ACCEPTANCE TESTING												172				129
4. INTERIM TRANSPORTATION												57				113
5. INDUSTRIAL STOCK SUPPORT												634				
6. CAWCF GAIN/LOSS SURCHARGE												2732				1386
SUBTOTAL												4079				2135
*****																
TOTAL P-1 LINE ITEM												0.39	19022		0.39	13988

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PROCUREMENT HISTORY & PLANNING

DATE:

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-01-155-5459

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 5.56MM BALL

( A059 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1996 OLIN CORP INDEPENDENCE, MO		SS/CPAF	IOC	MAR 96	OCT 96	48746611	0.27	YES	NO
FY 1997 OLIN CORP INDEPENDENCE, MO		SS/CPAF	IOC	NOV 96	OCT 97	36072770	0.30	YES	NO
2 . BOX METAL M2A1									
FY 1996		C/FP	IOC	MAY 96	AUG 96	59471	5.62	YES	NO
FY 1997		C/FP	IOC	JAN 97	JUL 97	44009	5.07	YES	NO
3 . PROPELLANT WC844 (LB)									
FY 1996 OLIN ST MARKS, FL		SS/FP	IOC	AUG 96	SEP 96	194987	6.50	YES	NO
FY 1997 OLIN ST MARKS, FL		SS/FP	IOC	AUG 97	SEP 97	144292	5.83	YES	NO

REMARKS:

LINE ITEM 3 - \*\* PACING COMPONENT LINE ITEM 3 - TBS - To Be Selected

SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03011191

ITEM: CTG, 5.56MM BALL  
MODEL NO: M855

A059

P20A DISPLAY FOR DODIC:

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE					27,018,917
FORCES AFLOAT					6,549,370
SUBTOTAL					33,568,287
2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE					23,367,920
FORCES AFLOAT					3,174,627
SUBTOTAL					26,542,547
MRC TOTALS					60,110,834
3 SPECIAL MISSION FORCES	88,211				88,211
4 PEACETIME OPERATING STOCKS	25,315,120				25,315,120
5 TRAINING REQUIREMENT	65,703,258				65,703,258
6 GEO PREPOSITIONED					
NALMEB	5,031,600				5,031,600
GITMO	756,519				756,519
WRSB					
7 RESIDUAL	13,392,048				13,392,048
8 REGENERATION					
APPROVED ACQUISITION OBJECTIVE	110,286,756	12,003,181	26,885,174	21,222,479	170,397,590

MPS BREAKOUT

MPS 1	4,945,920
MPS 2	4,945,920
MPS 3	4,945,920

1-13

## ASSET DYNAMICS

PROCUREMENT OBJECTIVE: 170397590 DODIC: A059  
 ACQUISITION OBJECTIVE: 170397590 DESCRIPTION: CTG, 5.56MM BALL  
 LEADTIME: 13

	30 SEPT 1993	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$0.3900	\$0.3900
TOTAL PRICE:		\$0	\$0	\$19,022,000	\$13,988,000
FY BUDGET QTY:		0	0	48746611	36072770
GAINS:					
FDP DELIVERIES:		0	0	0	44684393
OTHER ( 93 & PRIOR)		19230960	0	0	0
TOTAL:		19230960	0	0	44684393
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		59512930	60703258	60703258	48080436
WASHOUT:		794040	670812	486690	303120
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		60306970	61374070	61189948	48383556
NET CHANGE (+/-)		-41076010	-61374070	-61189948	-3699163
ASSET POSITION:					
STD SERVICEABLE:	264680044	223604034	162229964	101040016	97340853
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	264680044	223604034	162229964	101040016	97340853
\$ VALUE:	\$0	\$0	\$0	\$39,405,606	\$37,962,933
RECOMMENDED BUY QTY					
\$ VALUE:	-94282454	-53206444	8167626	69357574	73056737
DEFICIENCY A.O.					
\$ VALUE:	-94282454	-53206444	8167626	69357574	73056737
PERCENT OF OBJECTIVE:	155%	131%	95%	59%	57%





[illegible]

FAC NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX AFTER D DAY
		MINIMUM	1B5 MAXIMUM	
1	OLIN CORP. ST PETERSBURG, FL	0.70	1.00	0.00
2	LAKE CITY AAP, INDEPENDENCE MO	0.00	19.40	5.00

  

PROCUREMENT LEAD TIME			
ADMIN LEAD TIME		PROD LEAD TIME	
PRI	OCT/AFT	OCT	AFT
INITIAL	6.00	2.00	11.00
REORDER	6.00	2.00	11.00

  

REMARKS:			
PACING	COMPONENT	(U/M=K/LB)	
QTY	ALT	PLT	TOTAL
8	1	1	12
8	1	1	12
QUANTITY IN MILLIONS			

  

INITIAL REORDER	

  

Page

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:  
 PROCUREMENT, MARINE CORPS, BA 01 CTG, 5.56MM BLANK

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	32,627,747	17,145,530	22,818,077	20,006,145	20,703,247	32,109,835	33,380,548
COST (M\$)	0.000	7.101	3.884	5.512	4.971	5.258	8.335	8.856

This cartridge consists of a primer and propellant contained in a brass cartridge shaped to conform to the configuration of the service round. The propellant is held in by a wad. The mouth of the cartridge is crimped and sealed. The 5.56mm blank is used with the M16A2 rifle for simulated firing in training.

This is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

	FY95	FY96	FY97
Projected Qty			
Consumption	33255810	33255810	33255810
Loss	179901	92245	83077
Gains	4216918	30292124	18435715

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	7.101	3.884	5.512	4.971	5.258	8.335	8.856
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	7.101	3.884	5.512	4.971	5.258	8.335	8.856

P-1 SHOPP LIST  
 ITEM NO.

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

APPROPRIATION BUDGET ACTIVITY:

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

P-1 ITEM NOMENCLATURE:

CTG, 5.56MM BLANK

DATE:

NSN: 1305-00-182-3217  
( A080 )

ELEMENT OF COST		FY 1994 (QTY		0 )		FY 1995 (QTY		32627747 )		FY 1996 (QTY		17145530 )		FY 1997 (QTY		22818077 )	
QW: EA		QTY		UNIT		TOTAL		QTY		UNIT		TOTAL		QTY		UNIT	
				COST						COST						COST	

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

NSN: 1305-00-182-3217

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 5.56MM BLANK

( A080 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1995 OLIN CORP INDEPENDENCE, MO		SS/CPAF	IOC	JAN 95	OCT 95	32627747	0.17	YES	NO
FY 1996 OLIN CORP INDEPENDENCE, MO		SS/CPAF	IOC	MAR 96	OCT 96	17145530	0.17	YES	NO
FY 1997 OLIN CORP INDEPENDENCE, MO		SS/CPAF	IOC	NOV 96	OCT 97	22818077	0.19	YES	NO
2 . BOX METAL M2A1									
FY 1995 BROCKWAY STANDARD HOMERVILLE, GA		C/FP	IOC	AUG 95	SEP 95	29365	5.57	YES	NO
FY 1996		C/FP	IOC	MAY 96	AUG 96	15431	5.62	YES	NO
FY 1997		C/FP	IOC	JAN 97	JUL 97	20537	5.07	YES	NO
3 . PROPELLANT WC814 (LB)									
FY 1995 OLIN ST MARKS, FL		SS/FP	IOC	JUN 95	SEP 95	32628	6.28	YES	NO
FY 1996 OLIN ST MARKS, FL		SS/FP	IOC	AUG 96	SEP 96	17146	6.50	YES	NO
FY 1997 OLIN ST MARKS, FL		SS/FP	IOC	AUG 97	SEP 97	22819	5.83	YES	NO

REMARKS:

LINE ITEM 2 - TBS - To Be Selected LINE ITEM 3 - \*\* PACING COMPONENT

Page

EXHIBIT P-5A

1-19

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03011141

P20A DISPLAY FOR DODIC: A080

ITEM: CTG, 5.56MM BLANK  
MODEL NO: M200

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT

### POST D-DAY CONSUMPTION

TOTAL

PHASE I

PHASE II

PHASE III

TOTAL

#### 1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

#### 2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

#### 3 SPECIAL MISSION FORCES

#### 4 PEACETIME OPERATING STOCKS

#### 5 TRAINING REQUIREMENT

39,327,522

39,327,522

#### 6 GEO PREPOSITIONED

NALMEB

GITMO

WRSA

#### 7 RESIDUAL

21,549,327

21,549,327

#### 8 REGENERATION

#### APPROVED ACQUISITION OBJECTIVE

60,876,849

60,876,849

#### MPS BREAKOUT

MPS 1

MPS 2

MPS 3

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 60876849		DODIC: A080		DESCRIPTION: CTG, 5.56MM BLANK	
ACQUISITION OBJECTIVE: 60876849					
LEADTIME: 13					
*****		*****		*****	
30 SEPT 1993		FY 1994		FY 1996	
FY 1997					
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.1500	\$0.2200	\$0.2300	\$0.2400
TOTAL PRICE:		\$711,000	\$7,101,000	\$3,884,000	\$5,512,000
FY BUDGET QTY:		4600274	32627747	17145530	22818077
GAINS:					
FDP DELIVERIES:		0	4216918	30292124	18435715
OTHER ( 93 & PRIOR)		24981960	0	0	0
TOTAL:		24981960	4216918	30292124	18435715
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		24338505	33255810	33255810	33255810
WASHOUT:		178507	179901	92245	83077
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		24517012	33435711	33348055	33338887
NET CHANGE (+/-)		464948	-29218794	-3055931	-14903172
ASSET POSITION:					
STD SERVICEABLE:	59502191	59967139	30748346	27692415	12789243
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	59502191	59967139	30748346	27692415	12789243
\$ VALUE:	\$0	\$8,995,071	\$6,764,636	\$6,369,255	\$3,069,418
RECOMMENDED BUY QTY					
\$ VALUE:	1374658	909710	30128503	33184434	48087606
DEFICIENCY A.O.	\$0	\$136,456	\$6,628,271	\$7,632,420	\$11,541,026
\$ VALUE:	1374658	909710	30128503	33184434	48087606
PERCENT OF					
OBJECTIVE:	98%	\$136,456	\$6,628,271	\$7,632,420	\$11,541,026
		99%	51%	45%	21%







## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/

P-1 NOMENCLATURE:

RCN 01-120-1

PROCUREMENT, MARINE CORPS, BA 01

CTG, 5.56MM BLANK LINKED

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	13,090,999	0	8,405,051	5,636,587	11,572,718	8,644,067
COST (M\$)	0.000	0.000	4.979	0.000	3.408	2.337	4.904	3.743

This round is used in the Squad Automatic Weapon System for training only. The M200 cartridge consists of a primer and propellant contained in a brass cartridge shaped to conform to the configuration of the service round. The propellants are held in by a wad. The mouth of the cartridge is crimped and sealed.

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	10338155	9583450	9583450
Loss	83849	52583	23675
Gains	0	0	12000082

This item is Code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	4.979	0.000	3.408	2.337	4.904	3.743
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	4.979	0.000	3.408	2.337	4.904	3.743

## P-1 SHOPP LIST

ITEM NO.

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EXHIBIT 40

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE:  
NSN: 1305-01-258-8694  
( A075 )

P-1 ITEM NOMENCLATURE:  
CTG, 5.56MM BLANK LINKED

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST QM: BA	FY 1994 (QTY		0 )		FY 1995 (QTY		0 )		FY 1996 (QTY		13090999 )		FY 1997 (QTY		0 )	
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	TOTAL
<b>HARDWARE</b>																
1. LOAD, ASSEMBLE, AND PACK (LAP)										13090999	0.27	3596				
2. PROPELLANT WC814 (LB)										13091	6.50	85				
3. LINK M27										13614639	0.02	230				
<b>SUBTOTAL</b>												3911				
<b>PRODUCT</b>																
1. PRODUCTION ENGINEERING												121				
2. QUALITY ASSURANCE												5				
3. ACCEPTANCE TESTING												45				
4. INTERIM TRANSPORTATION												15				
5. INDUSTRIAL STOCK SUPPORT												167				
6. CMCF GAIN/LOSS SURCHARGE												715				
<b>SUBTOTAL</b>												1068				
*****																
TOTAL P-1 LINE ITEM											0.38	4979				
*****																

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DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-01-258-8694

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 5.56MM BLANK LINKED

( A075 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 .	LOAD, ASSEMBLE, AND PACK (LAP)								
FY 1996	OLIN CORP INDEPENDENCE, MO	SS/CPAF	IOC	MAR 96	OCT 96	13090999	0.27	YES	NO
2 .	PROPELLANT WC814 (LB)								
FY 1996	OLIN ST MARKS, FL	SS/FP	IOC	AUG 96	SEP 96	13091	6.50	YES	NO
3 .	LINK M27								
FY 1996	VALENTEC WELLS COSTA MESA, CA	C/FP	IOC	MAR 96	AUG 96	13614639	0.02	YES	NO

REMARKS:

LINE ITEM 3 - \*\* PACING COMPONENT

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03011201

ITEM: CTG, 5.56MM BLANK LINKED  
MODEL NO: M200

## INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

TOTAL

PHASE I

PHASE II

PHASE III

### 1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

### 2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

### MRC TOTALS

### 3 SPECIAL MISSION FORCES

### 4 PEACETIME OPERATING STOCKS

### 5 TRAINING REQUIREMENT

10,338,155

10,338,155

### 6 GEO PREPOSITIONED

NALMEB

GITMO

WRSB

### 7 RESIDUAL

5,664,742

5,664,742

### 8 REGENERATION

### APPROVED ACQUISITION OBJECTIVE

16,002,897

16,002,897

### MPS BREAKOUT

MPS 1

MPS 2

MPS 3

## DATE:

DODIC: A075  
DESCRIPTION: CTG, 5.56MM BLANK LINKED

A075

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[illegible]

	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$0.3800	\$0.0000
TOTAL PRICE:	\$0	\$0	\$0	\$4,979,000	\$0
FY BUDGET QTY:	0	0	0	13090999	0
GAINS:					
FDP DELIVERIES:	0	0	0	0	12000082
OTHER ( 93 & PRIOR)	3774400	3774400	0	0	0
TOTAL:	3774400	3774400	0	0	12000082
LOSSES:					
COMBAT:	0	0	0	0	0
COMBAT ALLIES:	0	0	0	0	0
PEACETIME:	8053603	8053603	10338155	9583450	9583450
WASHOUT:	96977	96977	83849	52583	23675
SALES:	0	0	0	0	0
OTHER:	0	0	0	0	0
TOTAL:	8150580	8150580	10422004	9636033	9607125
NET CHANGE (+/-)	-4376180	-4376180	-10422004	-9636033	2392958
ASSET POSITION:					
STD SERVICEABLE:	32325820	27949640	17527636	7891603	10284560
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	32325820	27949640	17527636	7891603	10284560
\$ VALUE:	\$0	\$0	\$0	\$2,998,809	\$0
RECOMMENDED BUY QTY	-163222923	-11946743	-1524739	8111294	5718337
\$ VALUE:	\$0	\$0	\$0	\$3,082,292	\$0
DEFICIENCY A.O.	-163222923	-11946743	-1524739	8111294	5718337
\$ VALUE:	\$0	\$0	\$0	\$3,082,292	\$0
PERCENT OF OBJECTIVE:	202%	175%	110%	49%	64%



[illegible]

FAC NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX AFTER DAY	PROCUREMENT LEAD TIME				REMARKS: PACING COMPONENT (U/M=K/(LB) CULT ALT PLY TOTAL 8 11 12 8 11 12 QUANTITY IN MILLIONS
		MINIMUM	1B5 MAXIMUM		ADMIN LEAD TIME	PROO- UCTION	BEFORE	AFTER	
1	OLIN CORP. ST PETERSBURG, FL	0.70	0.83	0.00	PRI OCT/AFT OCT	OCT			INITIAL REORDER
2	LAKE CITY AAP, INDEPENDENCE MO	0.00	14.10	6.00	INITIAL	6.00	2.00	11.00	13.00
					REORDER	6.00	2.00	11.00	13.00

Page

BUDGET ITEM JUSTIFICATION SHEET											
DATE:											
(ALTCODE: 010151 )											
P-1 NOMENCLATURE:											
7.62MM, ALL TYPES											
PROCUREMENT, MARINE CORPS, BA 01											
FY 1994											
FY 1995											
FY 1996											
FY 1997											
FY 1998											
FY 1999											
FY 2000											
FY 2001											
QUANTITY											
COST (M\$)											
0.000											
0.036											
11.827											
6.493											
8.812											
8.951											
7.443											
0.000											
This P-40 combines all 7.62mm ammunition including ball, linked and blank rounds.											

NOTE: In FY95 & FY96, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

7.62 MM, All Types correlates to PANMC P-1 Number 20.



PROGRAM COST BREAK-DOWN										DATE
P-1 ITEM NOMENCLATURE										
PROCUREMENT MARINE CORPS, BA 01										
7.62MM, ALL TYPES										(010151)
ELEMENT OF COST										
(TOTAL COST IN MILLIONS OF DOLLARS)										
IDEN	FY - 1994		FY - 1995		FY - 1996		FY - 1997			
CODE	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST		
CTG, 7.62MM 4 & 1 LINKED	0	0.000	0	0.000	11131523	7.845	9398566	5.656		
CTG, 7.62MM BALL LINKED	0	0.000	0	0.000	2872095	1.900	0	0.000		
CTG, 7.62MM BALL MATCH	0	0.000	48230	0.036	1662479	1.574	0	0.000		
CTG, 7.62MM BALL SPECIAL	0	0.000	0	0.000	0	0.000	1254226	0.837		
CTG, 7.62MM X 39 FOR AK47	0	0.000	0	0.000	408158	0.508	0	0.000		
TOTAL VALUE		0.000		0.036		11.827		6.493		

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## P-1 NOMENCLATURE:

RCN 01-107-1

CTG, 7.62MM 4 &amp; 1 LINKED

## APPROPRIATION/

PROCUREMENT, MARINE CORPS, BA 01

FY 2001

FY 2000

FY 1999

FY 1998

FY 1997

FY 1996

FY 1995

FY 1994

0

11,131,523

9,398,566

13,680,193

13,591,159

11,060,601

0

0.000

7.845

5.656

8.812

8.951

7.443

0.000

This ammunition is for the 7.62mm machine gun and consists of two (2) types of cartridges (the M80 standard ball and the M62 standard tracer) which are linked to a belt, 4 standard ball rounds to 1 standard tracer round. The ball cartridge is intended for use against personnel and unarmored targets. The tracer round permits visible observation of the trajectory and point of impact of fired rounds.

This is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	17766573	16805064	16805064
Loss	268991	214885	163825
Gains	0	0	10203896

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	7.845	5.656	8.812	8.951	7.443	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	7.845	5.656	8.812	8.951	7.443	0.000

P-1 SHOPP LIST

ITEM NO.

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: 1305-00-892-2150  
 NSN: 1305-00-892-2150  
 ( A131 )

P-1 ITEM NOMENCLATURE:  
 CTG, 7.62MM 4 & 1 LINKED

APPROPRIATION BUDGET ACTIVITY:  
 PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST QM: EA	FY 1994 (QTY		0 )		FY 1995 (QTY		0 )		FY 1996 (QTY		11131523 )		FY 1997 (QTY		9398566 )	
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY
<b>HARDWARE</b>																
1. LOAD, ASSEMBLE, AND PACK (LAP)																
2. LINK M13																
3. PROPELLANT WC846 (LB)																
4. PROPELLANT WC846T (LB)																
SUBTOTAL																
<b>PRODUCT</b>																
1. PRODUCTION ENGINEERING																
2. QUALITY ASSURANCE																
3. ACCEPTANCE TESTING																
4. INTERIM TRANSPORTATION																
5. INDUSTRIAL STOCK SUPPORT																
6. CAWCF GAIN/LOSS SURCHARGE																
SUBTOTAL																
*****																
TOTAL P-1 LINE ITEM																

PROCUREMENT HISTORY & PLANNING

DATE:

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-00-892-2150

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 7.62MM 4 & 1 LINKED

( A131 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1996	OLIN CORP INDEPENDENCE, MO	SS/CPAF	IOC	FEB 96	OCT 96	11131523	0.49	YES	NO
FY 1997	OLIN CORP INDEPENDENCE, MO	SS/CPAF	IOC	NOV 96	OCT 97	9398566	0.45	YES	NO
2 . LINK M13									
FY 1996		C/FP	IOC	APR 96	AUG 96	11354154	0.02	YES	NO
FY 1997		C/FP	IOC	APR 97	AUG 97	9586538	0.02	YES	NO
3 . PROPELLANT WC846 (LB)									
FY 1996		C/FP	IOC	AUG 96	SEP 96	62337	6.50	YES	NO
FY 1997		C/FP	IOC	AUG 97	SEP 97	52632	5.83	YES	NO
4 . PROPELLANT WC846T (LB)									
FY 1996		C/FP	IOC	AUG 96	SEP 96	15585	6.50	YES	NO
FY 1997		C/FP	IOC	AUG 97	SEP 97	13158	5.83	YES	NO

REMARKS:

LINE ITEM 4 - \*\* PACING COMPONENT LINE ITEM 4 - TBS - To Be Selected

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

P20A DISPLAY FOR DODIC: A131

ITEM: CTG, 7.62MM 4 & 1 LINKED  
MODEL NO: M80/M62

PM: AM  
RCN: 03011071

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT

### POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE		2,506,811	10,847,171	6,805,936	20,159,918
FORCES AFLOAT				11,409,444	11,409,444
SUBTOTAL					31,569,362
2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE		5,757,575	17,672,047	1,377,697	24,807,319
FORCES AFLOAT				8,672,544	8,672,544
SUBTOTAL					33,479,863
MRC TOTALS					65,049,225
3 SPECIAL MISSION FORCES	28,417				28,417
4 PEACETIME OPERATING STOCKS	7,574,697				7,574,697
5 TRAINING REQUIREMENT	19,904,080				19,904,080
6 GEO PREPOSITIONED					
NALMEB	897,600				897,600
GITMO	231,855				231,855
WRSA					
7 RESIDUAL	5,207,265				5,207,265
8 REGENERATION					
APPROVED ACQUISITION OBJECTIVE	33,843,914	8,264,386	28,519,218	28,265,621	98,893,139
MPS BREAKOUT					
MPS 1		2,133,600			2,133,600
MPS 2		2,133,600			2,133,600
MPS 3		2,133,600			2,133,600

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## ASSET DYNAMICS

DATE:

	30 SEPT 1993	FY 1994	FY 1995	FY 1996	FY 1997
PROCUREMENT OBJECTIVE: 98893139					
ACQUISITION OBJECTIVE: 98893139					
LEADTIME: 13					
*****					
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$0.7000	\$0.6000
TOTAL PRICE:		\$0	\$0	\$7,845,000	\$5,656,000
FY BUDGET QTY:		0	0	11131523	9398566
*****					
GAINS:					
FDP DELIVERIES:		0	0	0	10203896
OTHER ( 93 & PRIOR)		22002000	0	0	0
TOTAL:		22002000	0	0	10203896
*****					
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		13998676	17766573	16805064	16805064
WASHOUT:		245719	268991	214885	163825
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		14244395	18035564	17019949	16968889
*****					
NET CHANGE (+/-)		7757605	-18035564	-17019949	-6764993
*****					
ASSET POSITION:					
STD SERVICEABLE:	81906220	89663825	71628261	54608312	47843319
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	81906220	89663825	71628261	54608312	47843319
\$ VALUE:	\$0	\$0	\$0	\$38,225,818	\$28,705,992
*****					
RECOMMENDED BUY QTY	16986919	9229314	27264878	44284827	51049820
\$ VALUE:	\$0	\$0	\$0	\$30,999,379	\$30,629,892
*****					
DEFICIENCY A.O.	16986919	9229314	27264878	44284827	51049820
\$ VALUE:	\$0	\$0	\$0	\$30,999,379	\$30,629,892
*****					
PERCENT OF OBJECTIVE:	83%	91%	72%	55%	48%

[illegible]

FAC NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO DELIVER		PROCUREMENT LEAD TIME						REMARKS:			
		MINIMUM	MAXIMUM	MAX AFTER 90 DAY	MIN AFTER 90 DAY	ADMIN LEAD TIME			PRODUCTION			PACKING	COMPONENT	(U/M = K/LB)	
						PRI	OCT	AFT	OCT	QTY	PLT	TOTAL	INITIAL	REORDER	
1	OLIN CORP., ST PETERSBURG, FL	0.70	0.83	1.00	0.00	6.00	2.00	11.00	13.00	6	11	12			
2	LAKE CITY AAP, INDEPENDENCE MO	0.00	13.84	47.79	5.00	6.00	2.00	11.00	13.00	6	11	12			
						REORDER	6.00	2.00	11.00	13.00					

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## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/

## P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01

CTG, 7.62MM BALL LINKED

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	2,872,095	0	0	0	0	0
COST (M\$)	0.000	0.000	1.900	0.000	0.000	0.000	0.000	0.000

This ammunition is for the 7.62mm machine gun and is used for training during fire conditions. It consists of M80 standard ball linked ammunition.

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

	FY95	FY96	FY97
Projected Qty	450901	974483	1352702
Consumption	4298	2932	0
Loss	0	0	2632754
Gains			

This item is code "A".

## P-1 SHOPP LIST

ITEM NO.

Page

EXHIBIT 40

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE:  
NSN: 1305-01-098-9652  
( A143 )

P-1 ITEM NOMENCLATURE:  
CTG, 7.62MM BALL LINKED

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

		FY 1994	(QTY	0 )	FY 1995	(QTY	0 )	FY 1996	(QTY	2872095 )	FY 1997	(QTY	0 )
ELEMENT OF COST		UNIT		TOTAL		UNIT		TOTAL		UNIT		TOTAL	
QM: EA		QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE													
1. LOAD, ASSEMBLE, AND PACK (LAP)								2872095	0.45				
2. PROPELLANT WC846 (LB)								19818	6.50				
3. LINK M13								2929537	0.02				
SUBTOTAL												1492	
PRODUCT													
1. PRODUCTION ENGINEERING												46	
2. QUALITY ASSURANCE												2	
3. ACCEPTANCE TESTING												17	
4. INTERIM TRANSPORTATION												6	
5. INDUSTRIAL STOCK SUPPORT												64	
6. CAWCF GAIN/LOSS SURCHARGE												273	
SUBTOTAL												408	
*****													
TOTAL P-1 LINE ITEM									0.66			1900	
*****													

PROCUREMENT HISTORY & PLANNING

DATE:

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-01-098-9652

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 7.62MM BALL LINKED

( A143 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1996 OLIN CORP		SS/CPAF	IOC	MAR 96	OCT 96	2872095	0.45	YES	NO
INDEPENDENCE, MO									
2 . PROPELLANT WC846 (LB)									
FY 1996 OLIN		SS/FP	IOC	AUG 96	SEP 96	19818	6.50	YES	NO
ST MARKS, FL									
3 . LINK M13									
FY 1996		C/FP	IOC	APR 96	AUG 96	2929537	0.02	YES	NO

REMARKS:

LINE ITEM 3 - \*\* PACING COMPONENT LINE ITEM 3 - TBS - To Be Selected

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN:

ITEM: CTG, 7.62MM BALL LINKED  
MODEL NO: M80

A143

P20A DISPLAY FOR DODIC:

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

TOTAL

PHASE III

PHASE II

PHASE I

TOTAL

#### 1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

#### 2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

#### 3 SPECIAL MISSION FORCES

#### 4 PEACETIME OPERATING STOCKS

#### 5 TRAINING REQUIREMENT

1,352,702

1,352,702

#### 6 GEO PREPOSITIONED

NALMEB

GITMO

WRSB

#### 7 RESIDUAL

1,681,272

1,681,272

#### 8 REGENERATION

#### APPROVED ACQUISITION OBJECTIVE

3,033,974

3,033,974

#### MPS BREAKOUT

MPS 1

MPS 2

MPS 3

2-13

## ASSET DYNAMICS

DATE: 03/13/96

PROCUREMENT OBJECTIVE: 3033974 DODIC: A143  
 ACQUISITION OBJECTIVE: 3033974 DESCRIPTION: CTG, 7.62MM BALL LINKED  
 LEADTIME 13

	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$0.6600	\$0.0000
TOTAL PRICE:		\$0	\$0	\$1,900,000	\$0
FY BUDGET QTY:		0	0	2872095	0
GAINS:					
FDP DELIVERIES:		0	0	0	2632754
OTHER ( 93 & PRIOR)		0	0	0	0
TOTAL:		0	0	0	2632754
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		0	450901	974438	1352702
WASHOUT:		0	4298	2932	0
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		0	455199	977370	1352702
NET CHANGE (+/-)		0	-455199	-977370	1280052
ASSET POSITION:					
STD SERVICEABLE:	0	1432569	977370	0	1280052
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	0	1432569	977370	0	1280052
\$ VALUE:	\$0	\$0	\$0	\$0	\$0
RECOMMENDED BUY QTY					
\$ VALUE:	0	1601405	2056604	3033974	1753922
DEFICIENCY A.O.					
\$ VALUE:	0	1601405	2056604	3033974	1753922
PERCENT OF OBJECTIVE:	0%	47%	32%	0%	42%

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE: CIG, 7.62MM BALL LINKED

APPROPRIATION/BUDGET: MARINE CORPS, BA 01

DDIC: A143

FACILITY		SUM		PROGRAM QUANTITY				ACCP PRI TO AS		FISCAL YEAR 1996												FISCAL YEAR 1997												FISCAL YEAR 1998												L A T E R																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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										FY 95P	FY 96	FY 97	FY 98	FY 99	FY 00	OCT 1995	OCT 1996	OCT 1997	JAN 1998	FEB 1998	MAR 1998	APR 1998	MAY 1998	JUN 1998	JUL 1998	AUG 1998	SEP 1998	OCT 1998	NOV 1998	DEC 1998	JAN 1999	FEB 1999	MAR 1999	APR 1999	MAY 1999	JUN 1999	JUL 1999	AUG 1999	SEP 1999																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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REMARKS:  
PACING COMPONENT (U/M = K/LB)  
TOTAL  
8  
QUANTITY IN MILLIONS

PROCUREMENT LEAD TIME			
ADMIN	LEAD TIME	PROD	AFTER
PRI	OCT/AFT	OCT	OCT
INITIAL	6.00	2.00	11.00
REORDER	6.00	2.00	13.00

Page

2-15

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01 CTG, 7.62MM BALL MATCH

RCN 01-128-1

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	48,230	1,662,479	0	0	0	0	0
COST (M\$)	0.000	0.036	1.574	0.000	0.000	0.000	0.000	0.000

This item is used for match shooting and rifle teams. This is a training unique item.

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

	FY95	FY96	FY97
Projected Qty	350000	350000	350000
Consumption	806	5483	5070
Loss	1909722	217822	1527958
Gain			

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.036	1.574	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.036	1.574	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST

ITEM NO.

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1305-01-120-0970  
( A171 )

P-1 ITEM NOMENCLATURE:  
CTG, 7.62MM BALL MATCH

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

		FY 1994 (QTY		0 )		FY 1995 (QTY		48230 )		FY 1996 (QTY		1662479 )		FY 1997 (QTY		0 )	
ELEMENT OF COST		QTY		UNIT		TOTAL		QTY		UNIT		TOTAL		QTY		UNIT	
QM: EA				COST						COST						COST	
HARDWARE																	
1. LOAD, ASSEMBLE, AND PACK (LAP)																	
2. PROPELLANT IMR 4895 (LB)																	
3. BOX METAL M2A1																	
SUBTOTAL																	
PRODUCT																	
1. PRODUCTION ENGINEERING																	
2. QUALITY ASSURANCE																	
3. ACCEPTANCE TESTING																	
4. INTERIM TRANSPORTATION																	
5. INDUSTRIAL STOCK SUPPORT																	
6. CAMCF GAIN/LOSS SURCHARGE																	
SUBTOTAL																	
*****																	
TOTAL P-1 LINE ITEM																	



DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-01-120-0970

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 7.62MM BALL MATCH

( A171 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
---------------------------	------------	------------------------------	------------------	---------------	------------------------------	----------	-----------	-----------------------	----------------------------------------

1 . LOAD, ASSEMBLE, AND PACK (LAP)

FY 1995 OLIN CORP INDEPENDENCE, MO		SS/CPAF	IOC	NOV 94	NOV 95	48230	0.42	YES	NO
---------------------------------------	--	---------	-----	--------	--------	-------	------	-----	----

FY 1996 OLIN CORP INDEPENDENCE, MO		SS/CPAF	IOC	MAR 96	OCT 96	1662479	0.53	YES	NO
---------------------------------------	--	---------	-----	--------	--------	---------	------	-----	----

2 . PROPELLANT IMR 4895 (LB)

FY 1995 OLIN ST MARKS, FL		SS/FP	IOC	JAN 95	JUL 95	324	25.94	YES	NO
------------------------------	--	-------	-----	--------	--------	-----	-------	-----	----

FY 1996 OLIN ST MARKS, FL		SS/FP	IOC	AUG 96	SEP 96	11139	30.70	YES	NO
------------------------------	--	-------	-----	--------	--------	-------	-------	-----	----

3 . BOX METAL M2A1

FY 1995 BROCKWAY STANDARD HOMERVILLA, GA		C/FP	IOC	JUL 95	OCT 95	107	5.57	YES	NO
---------------------------------------------	--	------	-----	--------	--------	-----	------	-----	----

FY 1996 BROCKWAY STANDARD HOMERVILLA, GA		C/FP	IOC	MAY 96	SEP 96	3658	5.62	YES	NO
---------------------------------------------	--	------	-----	--------	--------	------	------	-----	----

REMARKS:

LINE ITEM 3 - \*\* PACING COMPONENT

SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03011281

ITEM: CTG, 7.62MM BALL MATCH  
MODEL NO: M852

A171

P20A DISPLAY FOR DODIC:

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT	PHASE I	PHASE II	PHASE III	TOTAL
TOTAL				

1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

1,110,515

1,110,515

6 GEO PREPOSITIONED

NALMEB

GITMO

WRSA

7 RESIDUAL

608,501

608,501

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

1,719,016

1,719,016

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 1719016		DODIC: A171		DESCRIPTION: CTG, 7.62MM BALL MATCH	
ACQUISITION OBJECTIVE: 1719016					
LEADTIME: 13					
***** 30 SEPT 1993 *****					
	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.4800	\$0.7500	\$0.9500	\$0.0000
TOTAL PRICE:		\$1,000,000	\$36,000	\$1,574,000	\$0
FY BUDGET QTY:		2083333	48230	1662479	0
GAINS:					
FDP DELIVERIES:		0	1909722	217822	1527958
OTHER ( 93 & PRIOR)		0	0	0	0
TOTAL:		0	1909722	217822	1527958
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		409138	350000	350000	350000
WASHOUT:		2040	806	5483	5070
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		411178	350806	355483	355070
NET CHANGE (+/-)		-411178	1558915	-137661	1172888
ASSET POSITION:					
STD SERVICEABLE:	680009	268831	1827746	1690085	2862973
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	680009	268831	1827746	1690085	2862973
\$ VALUE:	\$0	\$129,039	\$1,370,810	\$1,605,581	\$0
RECOMMENDED BUY QTY					
\$ VALUE:	1039007	1450185	-108730	28931	-1143957
	\$0	\$696,089	(\$81,548)	\$27,484	\$0
DEFICIENCY A.O.					
\$ VALUE:	1039007	1450185	-108730	28931	-1143957
	\$0	\$696,089	(\$81,548)	\$27,484	\$0
PERCENT OF OBJECTIVE:	40%	16%	106%	98%	167%





## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01 CTG, 7.62MM BALL SPECIAL

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	1,254,226	0	0	0	0
COST (M\$)	0.000	0.000	0.000	0.837	0.000	0.000	0.000	0.000

This item is used with 7.62mm Sniper rifle and for the rifle teams.

For FY97 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	0	0	0
Loss	0	0	0
Gains	0	0	0

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.000	0.837	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.000	0.837	0.000	0.000	0.000	0.000

P-1 SHOPP LIST  
ITEM NO.

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

APPROPRIATION BUDGET ACTIVITY:

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

P-1 ITEM NOMENCLATURE:  
CTG, 7.62MM BALL SPECIAL

DATE:  
NSN: 1305-00-064-2896  
( A136 )

FY 1994		FY 1995		FY 1996		FY 1997		FY 1998	
QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY
ELEMENT OF COST									
QM: EA									
HARDWARE									
-----									
1. LOAD, ASSEMBLE, AND PACK (LAP)									
2. BOX METAL M2A1									
3. PROPELLANT WC750 (LB)									
SUBTOTAL									
PRODUCT									
-----									
1. PRODUCTION ENGINEERING									
2. QUALITY ASSURANCE									
3. ACCEPTANCE TESTING									
4. INTERIM TRANSPORTATION									
5. INDUSTRIAL STOCK SUPPORT									
6. CMCF GAIN/LOSS SURCHARGE									
SUBTOTAL									
*****									
TOTAL P-1 LINE ITEM									

DATE:

PROCUREMENT HISTORY & PLANNING

NSN: 1305-00-064-2896

P-1 ITEM NOMENCLATURE

APPROPRIATION/BUDGET ACTIVITY

( A136 )

CTG, 7.62MM BALL SPECIAL

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
---------------------------	------------	------------------------------	---------------	------------------------------	----------	-----------	--------------	-------------------------------------------

1 . LOAD, ASSEMBLE, AND PACK (LAP)

FY 1997 OLIN CORP  
INDEPENDENCE, MO

SS/CPAF

0.49 YES NO

1254226

NOV 96 OCT 97

2 . BOX METAL M2A1

FY 1997

C/FP

5.07 YES NO

2760

MAR 97 SEP 97

3 . PROPELLANT WC750 (LB)

FY 1997 OLIN

ST MARKS, FL

SS/FP

5.83 YES NO

8404

AUG 97 SEP 97

REMARKS:

LINE ITEM 3 - \*\* PACING COMPONENT LINE ITEM 3 - TBS - To Be Selected



## ASSET DYNAMICS

	1502623	DODIC: A136	7.62MM BALL SPECIAL	
PROCUREMENT OBJECTIVE:	1502623	DESCRIPTION:	CTG,	
ACQUISITION OBJECTIVE:	1502623			
LEADTIME:	13			
*****	*****	*****	*****	*****
30 SEPT 1993	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:				
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$0.6700
TOTAL PRICE:	\$0	\$0	\$0	\$837,000
FY BUDGET QTY:	0	0	0	1254226
GAINS:				
FDP DELIVERIES:	0	0	0	0
OTHER ( 93 & PRIOR)	0	0	0	0
TOTAL:	0	0	0	0
LOSSES:				
COMBAT:	0	0	0	0
COMBAT ALLIES:	0	0	0	0
PEACETIME:	0	0	0	0
WASHOUT:	0	0	0	0
SALES:	0	0	0	0
OTHER:	0	0	0	0
TOTAL:	0	0	0	0
NET CHANGE (+/-)	0	0	0	0
ASSET POSITION:				
STD SERVICEABLE:	0	0	0	0
UNSERVICEABLE:	0	0	0	0
MAINTENANCE:	0	0	0	0
SUBSTITUTE:	0	0	0	0
TOTAL:	0	0	0	0
\$ VALUE:	\$0	\$0	\$0	\$0
RECOMMENDED BUY QTY	1502623	1502623	1502623	1502623
\$ VALUE:	\$0	\$0	\$0	\$1,006,757
DEFICIENCY A.O.	1502623	1502623	1502623	1502623
\$ VALUE:	\$0	\$0	\$0	\$1,006,757
PERCENT OF	0%	0%	0%	0%
OBJECTIVE:				

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01 CTG, 7.62MM X 39 FOR AK47

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	408,158	0	0	0	0	0
COST (M\$)	0.000	0.000	0.508	0.000	0.000	0.000	0.000	0.000

This training unique item is used in the AK-47 for training and familiarization.

For FY96 this is a Single Manager for Conventional Ammunition managed buy.

	FY95	FY96	FY97
Projected Qty			
Consumption	88166	0	120216
Loss	265	0	0
Gains	0	0	374145

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.508	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.508	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST

ITEM NO.

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1305-00-182-3096  
( A102 )

P-1 ITEM NOMENCLATURE:  
CTG, 7.62MM X 39 FOR AK47

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

		FY 1994		0 )		FY 1995		0 )		FY 1996		408158 )		FY 1997		0 )	
ELEMENT OF COST		QTY		UNIT		QTY		UNIT		QTY		UNIT		QTY		UNIT	
QM: EA				COST				COST				COST				COST	
				TOTAL				TOTAL				TOTAL				TOTAL	
HARDWARE																	
1. LOAD, ASSEMBLE AND PACK										408158		1.06				433	
2. PROPELLANT WC687 (LB)										2817		6.42				18	
SUBTOTAL																451	
PRODUCT																	
1. PRODUCTION ENGINEERING																14	
2. QUALITY ASSURANCE																1	
3. ACCEPTANCE TESTING																5	
4. INTERIM TRANSPORTATION																2	
5. INDUSTRIAL STOCK SUPPORT																19	
7. START-UP																16	
SUBTOTAL																57	
*****																	
TOTAL P-1 LINE ITEM												1.24				508	
*****																	

DATE:

PROCUREMENT HISTORY & PLANNING

NSN: 1305-00-182-3096

P-1 ITEM NOMENCLATURE

APPROPRIATION/BUDGET ACTIVITY

CTG, 7.62MM X 39 FOR AK47 ( A102 )

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS REV	SPECS IF YES WHEN REQD AVAIL
---------------------------	------------	------------------------------	----	---------------	------------------------------	----------	-----------	--------------	--------------	---------------------------------------

1 . LOAD, ASSEMBLE AND PACK

FY 1996 OLIN CORP  
INDEPENDENCE, MO

SS/CFAP IOC MAY 96 APR 97 408158 1.06 YES NO

2 . PROPELLANT WC687 (LB)

FY 1996 OLIN  
ST MARKS, FL

SS/FP IOC AUG 96 MAR 97 2817 6.42 YES NO

REMARKS:

LINE ITEM 2 - \*\* PACING COMPONENT

PM: AM  
RCN: 03012071

ITEM: CTG, 7.62MM X 39 FOR AK-47

MODEL NO:

## INVENTORY OBJECTIVE QUANTITIES

POST D-DAY CONSUMPTION

INITIAL ISSUE OF EQUIPMENT

PHASE I

PHASE II

PHASE III

TOTAL

A102

P20A DISPLAY FOR DODIC:

TOTAL

## MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

## MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

## 3 SPECIAL MISSION FORCES

## 4 PEACETIME OPERATING STOCKS

120,216

120,216

## 5 TRAINING REQUIREMENT

## 6 GEO PREPOSITIONED

NALMEB

GITMO

WRSA

65,872

65,872

## 7 RESIDUAL

## 8 REGENERATION

186,088

186,088

## APPROVED ACQUISITION OBJECTIVE

## MPS BREAKOUT

MPS 1

MPS 2

MPS 3

2-32



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(ALTCODE: 011351 )

## P-1 NOMENCLATURE:

50 CAL, ALL TYPES

APPROPRIATION: PROCUREMENT, MARINE CORPS, BA 01

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY								
COST (M\$)	0.000	7.324	44.050	6.052	9.538	54.755	43.053	14.464

This P-40 combines all cartridge .50 caliber rounds.

NOTE: In FY95 &amp; FY96, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

.50 Caliber, All Types correlates to PANMC P-1 Number 21.

P-1 SHOPP LIST  
ITEM NO.

Page

3-1

EXHIBIT P-40

P-1 SHOPP LIST ITEM NO

PAGE

EXHIBIT P-5

3-2



## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:

RCN 01-136-1

PROCUREMENT, MARINE CORPS, BA 01 CTG, CAL .50 4 &amp; 1 LINKED

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	8,723,246	1,891,605	3,065,567	6,344,572	4,057,551	3,037,613
COST (M\$)	0.000	0.000	27.500	5.558	9.261	19.595	12.807	9.799

This round is for use in the M2 .50 caliber machine gun against light armor targets. The rounds are belted with closed loop links at the rate of 4 Armor Piercing Incendiary (API) M8 to 1 Armor Piercing Incendiary Traced (API-T) M20. The API M8 cartridge when fired will penetrate 7/8 inch thick homogenous armor plate at 100 yards. The API-T M20 cartridge has the same penetration ability of the M8 cartridge, and has a tracer element that becomes visible at 100 yds.

This is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

	FY95	FY96	FY97
Projected Qty	4823337	4823337	4823337
Consumption	81942	67227	52555
Loss	0	0	7996309
Gain			

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	27.500	5.558	9.261	19.595	12.807	9.799
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	27.500	5.558	9.261	19.595	12.807	9.799

P-1 SHOPP LIST

ITEM NO

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE:  
NSN: 1305-00-028-6603  
( A576 )

P-1 ITEM NOMENCLATURE:  
CTG, CAL .50 4 & 1 LINKED

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST QM: EA	FY 1994		FY 1995		FY 1996		FY 1997	
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST
<b>HARDWARE</b>								
1. LOAD, ASSEMBLE, AND PACK (LAP)								
2. BOX METAL M2A1								
3. LINK M9								
4. PROPELLANT WC860 (LB)								
5. PROP IMR 5010 (LB)								
SUBTOTAL								
<b>PRODUCT</b>								
1. PRODUCTION ENGINEERING								
2. QUALITY ASSURANCE								
3. ACCEPTANCE TESTING								
4. INTERIM TRANSPORTATION								
5. INDUSTRIAL STOCK SUPPORT								
6. CAWCF GAIN/LOSS SURCHARGE								
SUBTOTAL								
*****								
TOTAL P-1 LINE ITEM								

3-4

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

NSN: 1305-00-028-6603

( A576 )

## P-1 ITEM NOMENCLATURE

CTG, CAL .50 4 &amp; 1 LINKED

## APPROPRIATION/BUDGET ACTIVITY

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS REV	SPECS IF YES WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)										
FY 1996 OLIN CORP INDEPENDENCE, MO		SS/CPAF	IOC	MAR 96	APR 97	8723246	2.07	YES		NO
FY 1997 OLIN CORP INDEPENDENCE, MO		SS/CPAF	IOC	NOV 96	OCT 97	1891605	2.00	YES		NO
2 . BOX METAL M2A1										
FY 1996		C/FP	IOC	MAY 96	JUL 96	88978	5.62	YES		NO
FY 1997		C/FP	IOC	JAN 97	JUL 97	19295	5.07	YES		NO
3 . LINK M9										
FY 1996		C/FP	IOC	JUN 96	JUL 96	8801756	0.06	YES		NO
FY 1997		C/FP	IOC	JAN 97	JUL 97	1908630	0.06	YES		NO
4 . PROPELLANT WC860 (LB)										
FY 1996 OLIN ST MARKS, FL		SS/FP	IOC	AUG 96	SEP 96	246868	6.50	YES		NO
FY 1997 OLIN ST MARKS, FL		SS/FP	IOC	AUG 97	SEP 97	53533	5.83	YES		NO
5 . PROP IMR 5010 (LB)										
FY 1996 HERCULES AEROSPACE RADFORD, VA		SS/FP	IOC	AUG 96	SEP 96	58446	15.15	YES		NO
FY 1997 HERCULES AEROSPACE RADFORD, VA		SS/FP	IOC	AUG 97	SEP 97	12674	17.74	YES		NO

EXHIBIT P-5A

Page

3-5

EXHIBIT

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03011361

ITEM: CTG, CAL .50 4 & 1 LINKED  
MODEL NO: M8/M20

A576

P20A DISPLAY FOR DODIC:

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE					29,947,166
FORCES AFLOAT					12,761,489
SUBTOTAL					42,708,655
2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE					13,757,754
FORCES AFLOAT					5,523,605
SUBTOTAL					19,281,359
MRC TOTALS					61,990,014
3 SPECIAL MISSION FORCES	14,630				14,630
4 PEACETIME OPERATING STOCKS	2,877,144				2,877,144
5 TRAINING REQUIREMENT	4,823,337				4,823,337
6 GEO PREPOSITIONED					
NALMEB	296,400				296,400
GITMO	59,317				59,317
WRSB					
7 RESIDUAL	2,203,100				2,203,100
8 REGENERATION					
APPROVED ACQUISITION OBJECTIVE	10,273,928	7,276,620	26,984,363	27,729,031	72,263,942

## MPS BREAKOUT

MPS 1	987,400
MPS 2	987,400
MPS 3	987,400

3-7

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 72263942  
 ACQUISITION OBJECTIVE: 72263942  
 LEADTIME: 13

DODIC: A576  
 DESCRIPTION: CTG, CAL .50 4 & 1 LINKED

	30 SEPT 1993	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$3.1500	\$2.9400
TOTAL PRICE:		\$0	\$0	\$27,500,000	\$5,558,000
FY BUDGET QTY:		0	0	8723246	1891605
GAINS:					
FDP DELIVERIES:		0	0	0	7996309
OTHER ( 93 & PRIOR)		5781400	0	0	0
TOTAL:		5781400	0	0	7996309
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		3428990	4823337	4823337	4823337
WASHOUT:		75111	81942	67227	52555
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		3504101	4905279	4890564	4875892
NET CHANGE (+/-)		2277299	-4905279	-4890564	3120417
ASSET POSITION:					
STD SERVICEABLE:	25036837	27314136	22408857	17518294	20638710
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	25036837	27314136	22408857	17518294	20638710
\$ VALUE:	\$0	\$0	\$0	\$55,182,625	\$60,677,809
RECOMMENDED BUY QTY					
\$ VALUE:	47227105	44949806	49855085	54745648	51625232
DEFICIENCY A.O.					
\$ VALUE:	47227105	44949806	49855085	54745648	51625232
PERCENT OF OBJECTIVE:	35%	38%	31%	24%	29%



## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## P-1 NOMENCLATURE:

CTG, CAL .50 API SNIPER RIFLE

## APPROPRIATION/

PROCUREMENT, MARINE CORPS, BA 01

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	62,216	0	0	0	0
COST (M\$)	0.000	0.000	0.000	0.494	0.000	0.000	0.000	0.000

This item is armor piercing incendiary used in the .50 caliber sniper rifle for use against light armor vehicles and personnel carriers.

For FY97 this is a non-Single Manager for Conventional Ammunition managed item and is not being procured through the Conventional Ammunition Working Capital Fund.

	FY95	FY96	FY97
Projected Qty	18382	18382	18382
Consumption	188	132	77
Loss	0	0	0
Gain			

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.000	0.494	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.000	0.494	0.000	0.000	0.000	0.000

## P-1 SHOPP LIST

ITEM NO.

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1305-01-250-8162  
( A606 )

P-1 ITEM NOMENCLATURE:  
CTG, CAL .50 API SNIPER R

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

		FY 1994 (QTY		0 )		FY 1995 (QTY		0 )		FY 1996 (QTY		0 )		FY 1997 (QTY		62216 )	
ELEMENT OF COST QM: EA		UNIT		TOTAL		UNIT		TOTAL		UNIT		TOTAL		UNIT		TOTAL	
		QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE																	
1. COMPLETE ROUND														62216	7.94	494	
SUBTOTAL																494	
PRODUCT																	
1. COMPLETE ROUND																	
2. QUALITY ASSURANCE																	
3. ACCEPTANCE TESTING																	
4. INTERIM TRANSPORTATION																	
SUBTOTAL																	
*****																	
TOTAL P-1 LINE ITEM															7.94	494	



## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/

## P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01

CTG, CAL .50 BALL LINKED

RCN 01-139-1

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	499,798	664,461	0	121,694	2,111,334	627,394	0
COST (M\$)	0.000	0.965	1.626	0.000	0.277	4.913	1.492	0.000

This cartridge is used in the M2 .50 caliber machine gun. This is a training unique item for the Marine Corps and is utilized for training in areas where the use of tracer ammunition is forbidden due to fire conditions (arid areas).

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	450000	450000	450000
Loss	2142	785	972
Gains	602408	512912	650739

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.965	1.626	0.000	0.277	4.913	1.492	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.965	1.626	0.000	0.277	4.913	1.492	0.000

## P-1 SHOPP LIST

ITEM NO.

Page

-16

EXHIB 40

# AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1305-00-028-6574  
( A555 )

P-1 ITEM NOMENCLATURE:  
CTG, CAL .50 BALL LINKED

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

FY 1994 (QTY) 0 ) FY 1995 (QTY 499798 ) FY 1996 (QTY 664461 ) FY 1997 (QTY 0 )									
ELEMENT OF COST		UNIT		TOTAL		UNIT		TOTAL	
QM: EA		QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE									
-----									
1. LOAD, ASSEMBLE, AND PACK (LAP)		499798	1.23	614	1.58	664461	1.58	1051	
2. BOX METAL M2A1		5098	5.57	28	5.62	6778	5.62	38	
3. LINK M9		509794	0.07	34	0.06	670442	0.06	43	
4. PROPELLANT WC860 (LB)		16939	6.28	106	6.50	22393	6.50	145	
SUBTOTAL				782				1277	
PRODUCT									
-----									
1. PRODUCTION ENGINEERING				31				40	
2. QUALITY ASSURANCE				1				2	
3. ACCEPTANCE TESTING				36				15	
4. INTERIM TRANSPORTATION				5				5	
5. INDUSTRIAL STOCK SUPPORT				47				54	
6. CAWCF GAIN/LOSS SURCHARGE				63				233	
SUBTOTAL				183				349	
*****									
TOTAL P-1 LINE ITEM			1.93	965	2.45			1626	

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-00-028-6574

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, CAL .50 BALL LINKED

( A555 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS REV	SPECS IF YES WHEN REQD AVAIL
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REMARKS:

LINE ITEM 3 - TBS - To Be Selected LINE ITEM 4 - \*\* PACING COMPONENT

3-19

Page

EXHIBIT

SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03011391

ITEM: CTG, CAL .50 BALL LINKED  
MODEL NO: M33

A555

P20A DISPLAY FOR DODIC:

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
-------	---------	----------	-----------	-------

1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

1,171,852

1,171,852

6 GEO PREPOSITIONED

NALMEB

GITWO

WRSB

7 RESIDUAL

642,111

642,111

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

1,813,963

1,813,963

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

## DATE:

3 3  
2 1

EV 1007

**OBJECTIVE:**

PAGE NO. 3-21

APPROPRIATION/BUDGET LINE										MARINE CORPS, BA 01										P-1 ITEM NOMENCLATURE: CTG, C, 50 BALL LINKED										IDDDIC: A555									
PRODUCTION SCHEDULE (EXHIBIT P-21)										FISCAL YEAR 1996										FISCAL YEAR 1997										FISCAL YEAR 1998									
CALENDAR YEAR 1996										CALENDAR YEAR 1997										CALENDAR YEAR 1998										CALENDAR YEAR 1999									
FISCAL YEAR 1996										FISCAL YEAR 1997										FISCAL YEAR 1998										FISCAL YEAR 1999									
ACCP										ACCP										ACCP										ACCP									
FY 95P										FY 96										FY 97										FY 98									
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## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01 CTG, CAL .50 DUMMY FOR M2

RCN 01-138-1

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	11,788	0	0	0	0	0	0
COST (M\$)	0.000	0.034	0.000	0.000	0.000	0.000	0.000	0.000

This item is a dummy round used for function checks and familiarization training.

For FY95 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	2000	2000	2000
Loss	32	26	53
Gain	0	10806	982

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.034	0.000	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.034	0.000	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST

ITEM NO.

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EXHIBIT

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE:  
NSN: 1305-00-028-6384  
( A560 )

P-1 ITEM NOMENCLATURE:  
CTG, CAL .50 DUMMY FOR M2

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORES, BA 01

ELEMENT OF COST QM: EA	FY 1994 (QTY		0 )		FY 1995 (QTY		11788 )		FY 1996 (QTY		0 )		FY 1997 (QTY		0 )	
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	
HARDWARE																
----- 1. LOAD, ASSEMBLE, AND PACK (LAP)				11788	2.29	27										
2. BOX METAL M2A1				101	5.57	1										
SUBTOTAL						28										
PRODUCT																
----- 1. PRODUCTION ENGINEERING						1										
2. QUALITY ASSURANCE																
3. ACCEPTANCE TESTING						1										
4. INTERIM TRANSPORTATION																
5. INDUSTRIAL STOCK SUPPORT						2										
6. CANCF GAIN/LOSS SURCHARGE						2										
SUBTOTAL						6										
*****																
TOTAL P-1 LINE ITEM					2.88	34										



DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-00-028-6384

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, CAL .50 DUMMY FOR M2

( A560 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS AVAIL	SPECS IF YES REV WHEN REQD AVAIL
---------------------------	------------	------------------------------	------------------	---------------	------------------------------	----------	-----------	--------------	----------------	----------------------------------------

1 . LOAD, ASSEMBLE, AND PACK (LAP)

FY 1995 OLIN CORP  
INDEPENDENCE, MO

SS/CPAF

IOC

FEB 95 SEP 96

11788

2.29

YES

NO

2 . BOX METAL M2A1

FY 1995 BROCKWAY STANDARD  
HOMERVILLE, GA

C/FP

IOC

AUG 95 FEB 96

101

5.57

YES

NO

REMARKS:

3-25

Page

EXHIBIT

SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

P20A DISPLAY FOR DODIC:

A560

ITEM: CTG, CAL .50 DUMMY FOR M2

MODEL NO: M2

PM: AM

RCN: 03011381

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT

POST D-DAY CONSUMPTION

TOTAL

PHASE I

PHASE II

PHASE III

TOTAL

1- MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

6,873

6,873

6 GEO PREPOSITIONED

NALMEB

GITMO

WRSA

7 RESIDUAL

3,766

3,766

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

10,639

10,639

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

3-26

## DATE:

[illegible]

3.27



AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

APPROPRIATION BUDGET ACTIVITY:

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

P-1 ITEM NOMENCLATURE:

CTG, CAL .50 LINKED SRTA

DATE:

NSN: 1305-01-126-6201  
( A602 )

FY 1994 (QTY		0 )	FY 1995 (QTY		390000 )	FY 1996 (QTY		0 )	FY 1997 (QTY		0 )
ELEMENT OF COST		UNIT	UNIT		UNIT	UNIT		UNIT	UNIT		UNIT
QM: EA		QTY	TOTAL		COST	TOTAL		COST	TOTAL		COST
HARDWARE											
-----											
1. LOAD, ASSEMBLE, AND PACK (LAP)					1.00			390			
2. BOX, METAL M2A1					5.75			22			
3. LINK M9					0.06			24			
4. PROPELLANT WC860 (LB)					6.50			24			
SUBTOTAL								460			
PRODUCT											
-----											
1. PRODUCTION ENGINEERING								117			
2. QUALITY ASSURANCE								15			
3. ACCEPTANCE TESTING								32			
SUBTOTAL								164			
*****											
TOTAL P-1 LINE ITEM					1.60			624			
*****											

DATE:

PROCUREMENT HISTORY & PLANNING

NSN: 1305-01-126-6201

P-1 ITEM NOMENCLATURE

( A602 )

CTG, CAL .50 LINKED SRTA

APPROPRIATION/BUDGET ACTIVITY

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
---------------------------	------------	------------------------------	----	---------------	------------------------------	----------	-----------	--------------	-------------------------------------------

1 . LOAD, ASSEMBLE, AND PACK (LAP)

FY 1995 OLIN CORP  
INDEPENDENCE, MO

SS/CPAF AMCCOM APR 95 OCT 96 390000 1.00 YES NO

2 . BOX, METAL M2A1

FY 1995 BROCKWAY STANDARD  
HOMERVILLA, GA

C/FP AMCCOM MAY 93 JUL 93 3900 5.75 YES NO

3 . LINK M9

FY 1995 UNKNOWN

C/FP AMCCOM APR 95 OCT 95 397800 0.06 YES NO

4 . PROPELLANT WC860 (LB)

FY 1995 OLIN CORP  
INDEPENDENCE, MO

SS/FP AMCCOM JUL 95 SEP 95 3660 6.50 YES NO

REMARKS:

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN:

A602

P20A DISPLAY FOR DODIC:

ITEM: CTG, CAL .50 LINKED SRTA

MODEL NO: M858/M860

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

TOTAL

PHASE I

PHASE II

PHASE III

TOTAL

1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

250,000

250,000

6 GEO PREPOSITIONED

NALMEB

GITMO

WRSA

7 RESIDUAL

136,986

136,986

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

386,986

386,986

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

3-32

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 386986 A602  
ACQUISITION OBJECTIVE: 386986 DESCRIPTION: CTG, CAL .50 LINKED SRTA  
LEADTIME 18  
\*\*\*\*\*  
30 SEPT 1993  
\*\*\*\*\*

	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$1.6000	\$0.0000	\$0.0000
TOTAL PRICE:		\$0	\$624,000	\$0	\$0
FY BUDGET QTY:		0	390000	0	0
GAINS:					
FDP DELIVERIES:		0	0	195000	195000
OTHER ( 93 & PRIOR)		0	0	0	0
TOTAL:		0	0	195000	195000
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		0	250000	250000	250000
WASHOUT:		1206	1202	449	282
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		1206	251202	250449	250282
NET CHANGE (+/-)		-1206	-251202	-55449	-55282
ASSET POSITION:					
STD SERVICEABLE:	402000	400794	149592	94143	38860
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	402000	400794	149592	94143	38860
\$ VALUE:	\$0	\$0	\$239,347	\$0	\$0
RECOMMENDED BUY QTY					
\$ VALUE:	-15014	-13808	237394	292843	348126
	\$0	\$0	\$379,831	\$0	\$0
DEFICIENCY A.O.					
\$ VALUE:	-15014	-13808	237394	292843	348126
	\$0	\$0	\$379,831	\$0	\$0
PERCENT OF					
OBJECTIVE:	104%	104%	39%	24%	10%





AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE:  
NSN: 1305-01-332-8254  
( A518 )

P-1 ITEM NOMENCLATURE:  
CTG, CAL .50 SLAP 4 & 1 L

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

FY 1994 (QTY		0 )	FY 1995 (QTY	666000 )	FY 1996 (QTY	1800000 )	FY 1997 (QTY	0 )
ELEMENT OF COST		UNIT	UNIT		UNIT		UNIT	
QM: EA	QTY	COST	TOTAL	QTY	COST	TOTAL	QTY	COST
HARDWARE								
1. COMPLETE ROUND	666000	7.29	5100	1800000	7.65	13770		
2. BOX, METAL M2A1	6996	6.84	48	18000	6.90	124		
SUBTOTAL			5148			13894		
PRODUCT								
1. ENGINEERING SUPPORT			350			824		
2. QUALITY ASSURANCE			50			131		
3. PROOF & ACCEPTANCE			100			75		
4. INTERIM TRANSPORTATION			31					
5. NON-RECURRING COST			22					
SUBTOTAL			553			1030		
*****								
TOTAL P-1 LINE ITEM			8.15	5701	8.29	14924		

3-36

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-01-332-8254

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, CAL .50 SLAP 4 & 1 LINKED

( A518 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 . COMPLETE ROUND									
FY 1995	OLIN CORP EAST ALTON, IL	SS/FP	ARDEC	SEP 95	MAY 96	666000	7.29	YES	NO
FY 1996	UNKNOWN	C/FP	IOC	SEP 96	JAN 97	1800000	7.65	YES	NO
2 . BOX, METAL M2A1									
FY 1995	UNKNOWN	C/FP	IOC	JUL 95	DEC 95	6996	6.84	YES	NO
FY 1996	UNKNOWN	C/FP	IOC	JUL 96	DEC 96	18000	6.90	YES	NO

REMARKS:

3-37

EXHIBIT

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03013171

A518

P20A DISPLAY FOR DODIC:

ITEM: CTG, CAL .50 SLAP 4 & 1 LINKED  
MODEL NO: M903/M962

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE					6,475,165
FORCES AFLOAT		1,681,226	2,962,587	1,831,352	2,729,377
SUBTOTAL				2,729,377	9,204,542
2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE					4,339,983
FORCES AFLOAT		1,312,258	1,315,868	1,711,857	1,428,451
SUBTOTAL				1,428,451	5,768,434

MRC TOTALS

14,972,976

3 SPECIAL MISSION FORCES

6,269

6,269

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

131,904

131,904

6 GEO PREPOSITIONED

NALMEB  
GITWO  
WRSA

93,600

93,600

7 RESIDUAL

775,905

775,905

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

1,007,678

2,993,484

4,278,455

7,701,037

15,980,654

MPS BREAKOUT

MPS 1  
MPS 2  
MPS 3

384,000  
384,000  
384,000

384,000  
384,000  
384,000

3-38





BUDGET ITEM JUSTIFICATION SHEET									
DATE:									
(ALTCODE: 011151 )									
(P-1 NOMENCLATURE: 40MM, ALL TYPES)									
APPROPRIATION/ PROCUREMENT, MARINE CORPS, BA 01	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	
QUANTITY									
COST (M\$)	0.000	12.359	3.855	3.210	6.591	6.743	13.968	9.634	

This P-40 combines all 40mm ammunition including high explosive (HE), and training practice (TP) rounds.

NOTE: In FY95 & FY96, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

40 MM, All Types correlates to PANMC P-1 Number 22.

PROGRAM COST BREAK-DOWN

DATE

APPROPRIATION/ PROCUREMENT MARINE CORPS, BA 01		P-1 ITEM NOMENCLATURE 40MM, ALL TYPES				(011151)	
ELEMENT OF COST		(TOTAL COST IN MILLIONS OF DOLLARS)					
IDEN	FY - 1994	FY - 1995	FY - 1996	FY - 1997			
CODE							
	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
CTG, 40MM BLANK SALUTING	0	0.000	0	0.000	16859	0.941	0.000
CTG, 40MM BLANK SALUTING	0	0.000	0	0.000	18426	0.647	0.000
CTG, 40MM HEDP FOR M79/M203	0	0.000	291131	4.296	0	0.000	0.000
CTG, 40MM HEDP LINKED FOR MK19	0	0.000	493747	7.574	0	0.000	0.000
CTG, 40MM PRACTICE	0	0.000	129097	0.489	390353	2.267	3.210
CTG, 40MM WHITE STAR PARACHUTE	0	0.000	0	0.000	0	0.000	0.000
		0.000		12.359		3.855	3.210
TOTAL VALUE							

4-22



## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/

P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01

CTG, 40MM BLANK SALUTING

(RCN: 01-888-1)

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	16,859	0	0	0	0	0
COST (M\$)	0.000	0.000	0.941	0.000	0.000	0.000	0.000	0.000

This item is used for saluting purposes during ceremonies.

For FY96 this is a Single Manager for Conventional Ammunition Managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	2240	2240	2240
Loss	3	4	1
Gain	2500	1405	15454

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.941	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.941	0.000	0.000	0.000	0.000	0.000

## P-1 SHOPP LIST

ITEM NO.

Page

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1310-00-866-9744  
( B550 )

P-1 ITEM NOMENCLATURE:  
CTG, 40MM BLANK SALUTING

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

		FY 1994	FY 1995		FY 1996		FY 1997		
		QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST
ELEMENT OF COST									
QM: EA									
HARDWARE									
1. LOAD, ASSEMBLE, AND PACK (LAP)									
2. *CTG CASE MK3					16859	30.07	507		
3. *PRIMER MK22-1					18545	46.59	864		
4. AMMO BOX MK3					17365	2.69	47		
5. PALLET MK 12-1					945	70.66	67		
					49	130.84	6		
SUBTOTAL							1491		
PRODUCT									
1. QUALITY ASSURANCE									2
2. ACCEPTANCE TESTING									17
3. INTERIM TRANSPORTATION									6
4. INDUSTRIAL STOCK SUPPORT									63
5. CAMCF GAIN/LOSS SURCHARGE									273
7. *GOVERNMENT FURNISHED MATERIAL									-911
SUBTOTAL									-550
*****									
TOTAL P-1 LINE ITEM						55.81	941		

4-4

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE NSN: 1310-00-866-9744

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 40MM BLANK SALUTING

( B550 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	SS/CPAF	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)										
FY 1996	MARTIN MARIETTA MILAN, TN			IOC	APR 96	DEC 96	16859	30.07	YES	NO
2 . *CTG CASE MK3										
FY 1996		N/A		N/A	N/A	N/A	18545	46.59	YES	NO
3 . *PRIMER MK22-1										
FY 1996		N/A		N/A	N/A	N/A	17365	2.69	YES	NO
4 . AMMO BOX MK3										
FY 1996		C/FP		IOC	APR 96	SEP 96	945	70.66	YES	NO
5 . PALLET MK 12-1										
FY 1996		N/A		N/A	N/A	N/A	49	130.84	NO	NO

REMARKS:

LINE ITEM 4 - TBS - TO BE SELECTED LINE ITEM 5 - TBS - To Be Selected

4-5

Page

EXHIBIT

SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN:

ITEM: CTG, 40MM BLANK SALUTING  
MODEL NO: MK3-0

B550

P20A DISPLAY FOR DODIC:

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

TOTAL

PHASE III

PHASE II

PHASE I

TOTAL

1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

6 GEO PREPOSITIONED

NALMEB

GITMO

WRSA

7 RESIDUAL

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

2,240

2,240

1,227

1,227

3,467

3,467

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

DATE:

PROCUREMENT OBJECTIVE:	3467	DODIC:	B550
ACQUISITION OBJECTIVE:	3467	DESCRIPTION:	CTG, 40MM BLANK SALUTING
LEADTIME :	11		
*****			
30 SEPT 1993		FY 1994	FY 1995
		FY 1996	FY 1997
*****			

BUY SUMMARY:	\$0.0000	\$62.3200	\$0.0000	\$55.8100	\$0.0000
UNIT PRICE:		\$170,000	\$0	\$941,000	\$0
TOTAL PRICE:		2727	0	16859	0
FY BUDGET QTY:					
GAINS:					
FDP DELIVERIES:		227	2500	1405	15454
OTHER ( 93 & PRIOR)		0	0	0	0
TOTAL:		227	2500	1405	15454
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		373	2240	2240	2240
WASHOUT:		3	3	4	1
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		376	2243	2244	2241
NET CHANGE (+/-)		-149	257	-839	13213
ASSET POSITION:					
STD SERVICEABLE:	1120	971	1228	389	13602
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	1120	971	1228	389	13602
\$ VALUE:	\$0	\$60,506	\$0	\$21,708	\$0
RECOMMENDED BUY QTY					
\$ VALUE:	2347	2496	2239	3078	-10135
	\$0	\$155,558	\$0	\$171,785	\$0
DEFICIENCY A.O.					
\$ VALUE:	2347	2496	2239	3078	-10135
	\$0	\$155,558	\$0	\$171,785	\$0
PERCENT OF OBJECTIVE:					
	32%	28%	35%	11%	392%

[illegible]

NO.	FAC MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO REORDER AFTER 6 DAY	PROCUREMENT LEAD TIME				REMARKS: QUANTITY IN THOUSANDS
		MINIMUM	MAXIMUM		ADMIN LEAD TIME		PROD- UCTION		
					PRI	OCT/AFT	OCT	OCT	
1	MILAN AAP. MILAN, TN	5.00	12.00	0.00	6.00	3.00	10.00	13.00	
					6.00	2.00	9.00	11.00	

4-8

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/

P-1 NOMENCLATURE:

(RCN: 01-888-1)

PROCUREMENT, MARINE CORPS, BA 01

CTG, 40MM BLANK SALUTING

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	18,426	0	0	0	0	0
COST (M\$)	0.000	0.000	0.647	0.000	0.000	0.000	0.000	0.000

This item is used for saluting purposes during ceremonies.

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

	FY95	FY96	FY97
Projected Qty			
Consumption	381	0	3104
Loss	1	0	0
Gain	0	0	18426

This item is code "A".

## P-1 SHOPP LIST

ITEM NO.

Page

4-9

EXHIBIT P-40

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1310-01-240-5741  
( B650 )

P-1 ITEM NOMENCLATURE:  
CTG, 40MM BLANK SALUTING

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST QM: EA	FY 1994		0 )		FY 1995		0 )		FY 1996		18426 )		FY 1997		0 )	
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	TOTAL
<b>HARDWARE</b>																
1. LOAD, ASSEMBLE, AND PACK (LAP)																
2. *CTG CASE MK3										18426	13.41	247				
3. *PRIMER MK22-1										20269	46.59	944				
4. AMMO BOX MK3										18979	2.69	51				
5. PALLET MK 12-1										1032	70.66	73				
										54	130.84	7				
<b>SUBTOTAL</b>												1322				
<b>PRODUCT</b>																
1. QUALITY ASSURANCE																
2. ACCEPTANCE TESTING																
3. INTERIM TRANSPORTATION																
4. INDUSTRIAL STOCK SUPPORT																
5. CMCF GAIN/LOSS SURCHARGE																
7. *GOVERNMENT FURNISHED MATERIAL																
<b>SUBTOTAL</b>												-675				
*****																
TOTAL P-1 LINE ITEM											35.11	647				

4-10



DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

NSN: 1310-01-240-5741

P-1 ITEM NOMENCLATURE

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 40MM BLANK SALUTING

( B650 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	SS/CPAF	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES AVAIL REV WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)										
FY 1996	MARTIN MARIETTA MILAN, TN			IOC	APR 96	DEC 96	18426	13.41	YES	NO
2 . *CTG CASE MK3										
FY 1996		N/A		N/A	N/A	N/A	20269	46.59	YES	NO
3 . *PRIMER MK22-1										
FY 1996		N/A		N/A	N/A	N/A	18979	2.69	YES	NO
4 . AMMO BOX MK3										
FY 1996		C/FP		IOC	APR 96	AUG 96	1032	70.66	YES	NO
5 . PALLET MK 12-1										
FY 1996		C/FP		IOC	APR 96	AUG 96	54	130.84	YES	NO

REMARKS:

LINE ITEM 5 - TBS - To Be Selected

4-11

Page

EXHIBIT P-1

SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN:

ITEM: CTG, 40MM BLANK SALUTING  
MODEL NO:

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

TOTAL

PHASE I

PHASE II

PHASE III

1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

3,104

3,104

6 GEO PREPOSITIONED

NALMEB

GITMO

WRSB

7 RESIDUAL

1,701

1,701

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

4,805

4,805

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

4-12

## ASSET DYNAMICS

DATE: 03/14/96

PROCUREMENT OBJECTIVE: 4805		DODIC: B650		DESCRIPTION: CTG, 40MM BLANK SALUTING	
ACQUISITION OBJECTIVE: 4805					
LEADTIME: 12					
*****		*****		*****	
30 SEPT 1993		FY 1994		FY 1995	
FY 1996		FY 1997			
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$35.1100	\$0.0000
TOTAL PRICE:		\$0	\$0	\$647,000	\$0
FY BUDGET QTY:		0	0	18426	0
GAINS:					
FDP DELIVERIES:		0	0	0	18426
OTHER ( 93 & PRIOR)		0	0	0	0
TOTAL:		0	0	0	18426
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		1438	381	0	3104
WASHOUT:		5	1	0	0
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		1443	382	0	3104
NET CHANGE (+/-)					
		-1443	-382	0	15322
ASSET POSITION:					
STD SERVICEABLE:	1825	382	0	0	15321
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	1825	382	0	0	15321
\$ VALUE:	\$0	\$0	\$0	\$0	\$0
RECOMMENDED BUY QTY					
\$ VALUE:	2980	4423	4805	4805	-10516
DEFICIENCY A.O.					
\$ VALUE:	2980	4423	4805	4805	-10516
PERCENT OF OBJECTIVE:					
	38%	8%	0%	0%	319%

REMARKS:

QUANTITY IN THOUSANDS

PROCUREMENT LEAD TIME

ADMIN LEAD TIME

PRI OCT AFT OCT

6.00 3.00 3.00 9.00 12.00

INITIAL

REORDER

6.00 3.00 3.00 9.00 12.00

PRODUCTION RATES

MINIMUM 185 MAXIMUM

0.00 6.50 22.00

MONTHS TO

MAX AFTER

0.00

FAC MANUFACTURER NAME & LOCATION

NO. 1 MILAN AAP, MILAN, TN

10.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

13.0

4-14

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/

P-1 NOMENCLATURE:

(RCN: 01-159-1)

PROCUREMENT, MARINE CORPS, BA 01

CTG, 40MM HEDP FOR M79/M203

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	291,131	0	0	0	0	449,501	0
COST (M\$)	0.000	4.296	0.000	0.000	0.000	0.000	6.925	0.000

This cartridge is a high explosive, dual-purpose, impact type round designed to penetrate two inches of steel armor at zero degree angle of obliquity and inflict personnel casualties in the target area. It is fired from the M79/M203 grenade launcher. This item is a fixed round of ammunition.

NOTE: In FY95, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

Projected Qty	FY95	FY96	FY97
Consumption	190671	190671	190671
Loss	3187	2605	2389
Gain	0	121305	169826

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	2.814	0.000	0.000	0.000	0.000	2.459	0.000
WAR RESERVES	0.000	1.482	0.000	0.000	0.000	0.000	4.466	0.000
COST (M\$)	0.000	4.296	0.000	0.000	0.000	0.000	6.925	0.000

P-1 SHOPP LIST

ITEM NO.

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EXHIBIT 3-40

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE:  
NSN: 1310-00-992-0451  
( B546 )

P-1 ITEM NOMENCLATURE:  
CTG, 40MM HEDP FOR M79/M2

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

		FY 1994	(QTY	0 )	FY 1995	(QTY	291131 )	FY 1996	(QTY	0 )	FY 1997	(QTY	0 )
ELEMENT OF COST		UNIT		TOTAL	UNIT		TOTAL	UNIT		TOTAL	UNIT		TOTAL
QM: EA		QTY	COST		QTY	COST		QTY	COST		QTY	COST	
HARDWARE													
-----													
1.	LOAD, ASSEMBLE, AND PACK (LAP)				291131	6.91	2011						
2.	COMP CH-6 (LB)				233	5.74	1						
3.	FZ PIBD M550 MPTS				299865	4.09	1225						
4.	DET STAB M55				302777	0.25	74						
5.	*LEAD AZIDE (SP) (LB)				30	24.11	1						
6.	RDX TYPE II, CLASS 3 (LB)				204	3.31	1						
7.	LAP TEST VEHICLE F/M433				6522	11.90	78						
8.	LAP SPITBACK ASSY F/M433				6522	0.51	3						
9.	COMP A-5, CLASS 1 (LB)				28881	3.12	90						
SUBTOTAL							3484						
PRODUCT													
-----													
1.	PRODUCTION ENGINEERING						136						
2.	QUALITY ASSURANCE						6						
3.	ACCEPTANCE TESTING						162						
4.	INTERIM TRANSPORTATION						21						
5.	INDUSTRIAL STOCK SUPPORT						208						
6.	CAWCF GAIN/LOSS SURCHARGE						280						
7.	*GOVERNMENT FURNISHED MATERIAL						-1						
SUBTOTAL							812						
*****													
TOTAL P-1 LINE ITEM						14.76	4296						
*****													

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DATE:

## PROCUREMENT HISTORY &amp; PLANNING

## APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1310-00-992-0451

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 40MM HEDP FOR M79/M203

( B546 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	MAR 95	JUL 96	291131	6.91	YES	NO
2 . COMP CH-6 (LB)									
FY 1995	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	MAR 95	DEC 95	233	5.74	YES	NO
3 . FZ PIED M550 MPTS									
FY 1995	DAYRON CO ORLANDO, FL	C/FP	IOC	AUG 95	APR 96	299865	4.09	YES	NO
4 . DET STAB M55									
FY 1995	DAY & ZIMMERMAN TEXARKANA, TX	SS/CPFF	IOC	MAR 95	OCT 95	302777	0.25	YES	NO
5 . *LEAD AZIDE (SP) (LB)									
FY 1995	STOCK ISSUE	N/A	N/A	N/A	N/A	30	24.11	YES	NO
6 . RDX TYPE II, CLASS 3 (LB)									
FY 1995	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	MAR 95	DEC 95	204	3.31	YES	NO

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EXHIBIT

DATE:

PROCUREMENT HISTORY & PLANNING

NSN: 1310-00-992-0451

P-1 ITEM NOMENCLATURE

( B546 )

CTG, 40MM HEDP FOR M79/M203

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
---------------------------	------------	------------------------------	----	---------------	------------------------------	----------	-----------	--------------	-------------------------------------------

7 . LAP TEST VEHICLE F/M433

FY 1995 MARTIN MARIETTA  
MILAN, TN

SS/CPAF IOC MAR 95 DEC 95 6522 11.90 YES NO

8 . LAP SPITBACK ASSY F/M433

FY 1995 MARTIN MARIETTA  
MILAN, TN

SS/CPAF IOC MAR 95 DEC 95 6522 0.51 YES NO

9 . COMP A-5, CLASS 1 (LB)

FY 1995 HOLSTON DEFENSE CORP  
KINGSPORT, TN

SS/CPFF IOC FEB 95 SEP 95 28881 3.12 YES NO

REMARKS:  
LINE ITEM 5 - \*\* PACING COMPONENT

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# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03011591

B546

P20A DISPLAY FOR DODIC:

ITEM: CTG, 40MM HEDP FOR M79/M203  
MODEL NO: M433

## INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE		166,182	226,372	103,931	496,485
FORCES AFLOAT				113,348	113,348
SUBTOTAL					609,833
2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE		41,949	156,251	52,446	250,646
FORCES AFLOAT				31,246	31,246
SUBTOTAL					281,892
MRC TOTALS					891,725
3 SPECIAL MISSION FORCES	638				638
4 PEACETIME OPERATING STOCKS	132,354				132,354
5 TRAINING REQUIREMENT	213,196				213,196
6 GEO PREPOSITIONED					
NALMEB	39,528				39,528
GITMO	9,600				9,600
WRSB					
7 RESIDUAL	93,672				93,672
8 REGENERATION					
APPROVED ACQUISITION OBJECTIVE	488,988	208,131	382,623	300,971	1,380,713

## MPS BREAKOUT

MPS 1 30,960  
MPS 2 30,960  
MPS 3 30,960

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## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 1380713 DODIC: B546		DESCRIPTION: CTG, 40MM HEDP FOR M79/M2			
ACQUISITION OBJECTIVE: 1380713					
LEADTIME: 19					
***** 30 SEPT 1993		FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:					
UNIT PRICE:	\$0.0000		\$14.7600	\$0.0000	\$0.0000
TOTAL PRICE:		\$0	\$4,296,000	\$0	\$0
FY BUDGET QTY:		0	291131	0	0
GAINS:					
FDP DELIVERIES:		0	0	121305	169826
OTHER ( 93 & PRIOR)		0	0	0	0
TOTAL:		0	0	121305	169826
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		144882	190671	190671	190671
WASHOUT:		3632	3187	2605	2389
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		148514	193858	193276	193060
NET CHANGE (+/-)					
		-148514	-193858	-71972	-23234
ASSET POSITION:					
STD SERVICEABLE:	1210734	1062220	868362	796391	773157
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	1210734	1062220	868362	796391	773157
\$ VALUE:	\$0	\$0	\$12,817,025	\$0	\$0
RECOMMENDED BUY QTY	169979	318493	512351	584322	607556
\$ VALUE:	\$0	\$0	\$7,562,299	\$0	\$0
DEFICIENCY A.O.	169979	318493	512351	584322	607556
\$ VALUE:	\$0	\$0	\$7,562,299	\$0	\$0
PERCENT OF	88%	77%	63%	58%	56%
OBJECTIVE:					

FISCAL YEAR 1996		FISCAL YEAR 1997												FISCAL YEAR 1998																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		CALENDAR YEAR 1996												CALENDAR YEAR 1997												CALENDAR YEAR 1998																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		OCT 96			NOV 96			DEC 96			JAN 97			FEB 97			MAR 97			APR 97			MAY 97			JUN 97			JUL 97			AUG 97			SEP 97			OCT 97			NOV 97			DEC 97			JAN 98			FEB 98			MAR 98			APR 98			MAY 98			JUN 98			JUL 98			AUG 98			SEP 98																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
PROGRAM QUANTITY		ACCP PRI TO		FY 96		FY 97		FY 98		FY 99		FY 00		OCT 96		NOV 96		DEC 96		JAN 97		FEB 97		MAR 97		APR 97		MAY 97		JUN 97		JUL 97		AUG 97		SEP 97		OCT 97		NOV 97		DEC 97		JAN 98		FEB 98		MAR 98		APR 98		MAY 98		JUN 98		JUL 98		AUG 98		SEP 98																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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FAC NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX AFTER 10 DAY
		MINIMUM	MAXIMUM	
1	MILAN AAP, MILAN, TN	0.00	274.00	0.00

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	
	PRI	OCT	JAFT	OCT
INITIAL	6.00	3.00	19.00	22.00
REORDER	6.00	3.00	16.00	19.00

Page

	REMARKS:	TOTAL	INITIAL REORDER
PACING COMPONENT		16	
ALL		17	
8		18	
10		19	
PDN		20	
QUANTITY IN THOUSANDS		21	
7		22	
8		23	
10		24	

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## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01 CTG, 40MM HEDP LINKED FOR MK19

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	493,747	0	0	0	0	0	0
COST (M\$)	0.000	7.574	0.000	0.000	0.000	0.000	0.000	0.000

This cartridge is a high explosive, dual-purpose, impact type round designed to penetrate two inches of steel armor at zero degree angle of obliquity and inflict personnel casualties in the target area. It is fired from the MK19 40mm Machine Gun. This cartridge is a fixed round of ammunition.

NOTE: In FY95, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

	FY95	FY96	FY97
Projected Qty	1022147	1022147	1022147
Consumption	36406	33763	31957
Loss	177399	454087	288019
Gain			

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	7.574	0.000	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	7.574	0.000	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST  
ITEM NO.

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EXHIBIT P-40

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

APPROPRIATION BUDGET ACTIVITY:

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

P-1 ITEM NOMENCLATURE:

CTG, 40MM HEDP LINKED FOR

DATE:

NSN: 1310-01-362-5295  
( B542 )

ELEMENT OF COST		FY 1994 (QTY		0 )		FY 1995 (QTY		493747 )		FY 1996 (QTY		0 )		FY 1997 (QTY		0 )	
QM: EA		QTY	UNIT	COST	TOTAL	QTY	UNIT	COST	TOTAL	QTY	UNIT	COST	TOTAL	QTY	UNIT	COST	TOTAL
<b>HARDWARE</b>																	
1.	LOAD, ASSEMBLE, AND PACK (LAP)					493747		3.97	1960								
2.	BODY ASSY MPTS					513497		1.49	765								
3.	LINER FLUTED EXT					510732		0.74	378								
4.	COMP A-5, CLASS 1 (LB)					46906		3.12	146								
5.	*LEAD AZIDE (SP) (LB)					149		24.11	4								
6.	CTG CASE M169					513497		0.91	466								
7.	PROP M2 SP .019 (LB)					7900		27.17	215								
8.	COMP CH-6 (LB)					395		5.74	2								
9.	FZ PIBD M549					513497		3.54	1817								
10.	DET STAB M59					518435		0.43	225								
11.	RDX TYPE II, CLASS 3 (LB)					50		3.31									
12.	LINK M16A2					523372		0.20	106								
13.	LAP TEST VEH F/M430					11060		4.81	53								
14.	LAP SPITBACK ASSY					11060		0.77	9								
SUBTOTAL									6146								
<b>PRODUCT</b>																	
1.	PRODUCTION ENGINEERING								240								
2.	QUALITY ASSURANCE								10								
3.	ACCEPTANCE TESTING								285								
4.	INTERIM TRANSPORTATION								37								
5.	INDUSTRIAL STOCK SUPPORT								366								
6.	CANCF GAIN/LOSS SURCHARGE								494								
7.	*GOVERNMENT FURNISHED MATERIAL								-4								
SUBTOTAL									1428								
*****																	
TOTAL P-1 LINE ITEM								15.34	7574								
*****																	

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P-1 ITEM NO

PAGE NO.

EXHIBIT P-5

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

P-1 ITEM NOMENCLATURE:  
CTG, 40MM HEDP LINKED FOR

DATE:  
NSN: 1310-01-362-5295  
( B542 )

ELEMENT OF COST		FY 1994 (QTY		0 )		FY 1995 (QTY		493747 )		FY 1996 (QTY		0 )		FY 1997 (QTY		0 )	
QM: EA		QTY	UNIT COST	TOTAL		QTY	UNIT COST	TOTAL		QTY	UNIT COST	TOTAL		QTY	UNIT COST	TOTAL	
HARDWARE																	
-----																	
1.	LOAD, ASSEMBLE, AND PACK (LAP)					493747	3.97	1960									
2.	BODY ASSY MPTS					513497	1.49	765									
3.	LINER FLUTED EXT					510732	0.74	378									
4.	COMP A-5, CLASS 1 (LB)					46906	3.12	146									
5.	*LEAD AZIDE (SP) (LB)					149	24.11	4									
6.	CTG CASE M169					513497	0.91	466									
7.	PROP M2 SP .019 (LB)					7900	27.17	215									
8.	COMP CH-6 (LB)					395	5.74	2									
9.	FZ PIBD M549					513497	3.54	1817									
10.	DET STAB M59					518435	0.43	225									
11.	RDX TYPE II, CLASS 3 (LB)					50	3.31										
12.	LINK M16A2					523372	0.20	106									
13.	LAP TEST VEH F/M430					11060	4.81	53									
14.	LAP SPITRACK ASSY					11060	0.77	9									
SUBTOTAL								6146									
PRODUCT																	
-----																	
1.	PRODUCTION ENGINEERING							240									
2.	QUALITY ASSURANCE							10									
3.	ACCEPTANCE TESTING							285									
4.	INTERIM TRANSPORTATION							37									
5.	INDUSTRIAL STOCK SUPPORT							366									
6.	CAWCF GAIN/LOSS SURCHARGE							494									
7.	*GOVERNMENT FURNISHED MATERIAL							-4									
SUBTOTAL								1428									
*****																	
TOTAL P-1 LINE ITEM								15.34									

4-23

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

## APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1310-01-362-5295

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 40MM HEDP LINKED FOR MK19

( B542 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	FEB 95	JUL 97	493747	3.97	YES	NO
2 . BODY ASSY MPTS									
FY 1995		C/FP	IOC	APR 96	JAN 97	513497	1.49	YES	NO
3 . LINER FLUTED EXT									
FY 1995	GAYSTON CORP SPRINGBORO, OH	C/FP	IOC	MAR 95	DEC 95	510732	0.74	YES	NO
4 . COMP A-5, CLASS 1 (LB)									
FY 1995	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	MAR 95	DEC 95	46906	3.12	YES	NO
5 . *LEAD AZIDE (SP) (LB)									
FY 1995		N/A	N/A	N/A	N/A	149	24.11	YES	NO
6 . CTG CASE M169									
FY 1995		C/FP	IOC	JUN 96	JAN 97	513497	0.91	YES	NO
7 . PROP M2 SP .019 (LB)									
FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	MAR 95	DEC 95	7900	27.17	YES	NO

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

## APPROPRIATION/BUDGET ACTIVITY

## P-1 ITEM NOMENCLATURE

NSN: 1310-01-362-5295

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 40MM HEDP LINKED FOR MK19

( B542 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS REV	SPECS IF YES WHEN REQD AVAIL
8 . COMP CH-6 (1JB)										
FY 1995	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	MAR 95	DEC 95	395	5.74	YES		NO
9 . FZ PIBD M549										
FY 1995		C/FP	IOC	SEP 96	APR 97	513497	3.54	YES		NO
10 . DET STAB M59										
FY 1995	DAY & ZIMMERMAN TEXARKANA, TX	SS/CPFF	IOC	MAR 95	JAN 96	518435	0.43	YES		NO
11 . RDX TYPE II, CLASS 3 (1JB)										
FY 1995	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	MAR 95	DEC 95	50	3.31	YES		NO
12 . LINK M16A2										
FY 1995		C/FP	IOC	JUN 96	MAR 97	523372	0.20	YES		NO
13 . LAP TEST VEH F/M430										
FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	MAR 95	JAN 96	11060	4.81	YES		NO

4-25



DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1310-01-362-5295

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 40MM HEDP LINKED FOR MK19

( B542 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS AVAIL	SPECS IF YES REV WHEN REQD AVAIL
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14 . LAP SPITEACK ASSY

FY 1995 MARTIN MARIETTA  
MILAN, TN

SS/CPAF

IOC

MAR 95 JAN 96

11060

0.77

YES

NO

REMARKS:

LINE ITEM 5 - TBS - To Be Selected    LINE ITEM 10 - \*\* PACING COMPONENT    LINE ITEM 10 - TBS - To Be Selected    LINE ITEM 14 - TBS - To Be  
Selected

Page

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EXHIBIT B

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03011661

ITEM: CTG, 40MM HEDP LINKED FOR MK19  
MODEL NO: M430

B542

P20A DISPLAY FOR DODIC:

## INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT	POST D-DAY CONSUMPTION			TOTAL
	PHASE I	PHASE II	PHASE III	
1 MAJOR REGIONAL CONFLICT "A"				
FORCES ASHORE	532,517	1,465,040	576,835	2,574,392
FORCES AFLOAT			1,110,598	1,110,598
SUBTOTAL				3,684,990
2 MAJOR REGIONAL CONFLICT "B"				
FORCES ASHORE	187,830	534,715	235,960	958,505
FORCES AFLOAT			156,986	156,986
SUBTOTAL				1,115,491
MRC TOTALS				4,800,481

## 3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS	221,040			221,040
5 TRAINING REQUIREMENT	1,770,932			1,770,932

## 6 GEO PREPOSITIONED

NALMEB	243,350			243,350
GITMO	34,320			34,320
WRSB				

## 7 RESIDUAL

	1,072,052			1,072,052
--	-----------	--	--	-----------

## 8 REGENERATION

APPROVED ACQUISITION OBJECTIVE	3,341,694	720,347	1,999,755	2,080,379	8,142,175
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## MPS BREAKOUT

MPS 1	467,050				467,050
MPS 2	467,050				467,050
MPS 3	467,050				467,050

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## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 8142175  
 ACQUISITION OBJECTIVE: 8142175  
 LEADTIME: 19

DODIC: B542  
 DESCRIPTION: CTG, 40MM HEDP LINKED FOR

\*\*\*\*\*  
 30 SEPT 1993  
 \*\*\*\*\*

	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$10.1200	\$15.3400	\$0.0000	\$0.0000
TOTAL PRICE:		\$4,309,000	\$7,574,000	\$0	\$0
FY BUDGET QTY:		425758	493747	0	0
GAINS:					
FDP DELIVERIES:		0	177399	454087	288019
OTHER ( 93 & PRIOR)		6278208	0	0	0
TOTAL:		6278208	177399	454087	288019
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		1410864	1022147	1022147	1022147
WASHOUT:		21870	36406	33763	31957
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		1432734	1058553	1055910	1054104
NET CHANGE (+/-)		4845474	-881154	-601823	-766085
ASSET POSITION:					
STD SERVICEABLE:	7289894	12135368	11254214	10652391	9886306
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	7289894	12135368	11254214	10652391	9886306
\$ VALUE:	\$0	\$122,809,927	\$172,639,649	\$0	\$0
RECOMMENDED BUY QTY	852281	-3993193	-3112039	-2510216	-1744131
\$ VALUE:	\$0	(\$40,411,116)	(\$47,738,684)	\$0	\$0
DEFICIENCY A.O.	852281	-3993193	-3112039	-2510216	-1744131
\$ VALUE:	\$0	(\$40,411,116)	(\$47,738,684)	\$0	\$0
PERCENT OF OBJECTIVE:	90%	149%	138%	131%	121%





## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:  
 PROCUREMENT, MARINE CORPS, BA 01 CTG, 40MM PRACTICE

(RCN: 01-161-1)

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	129,097	390,353	1,510,821	2,900,253	2,902,247	2,966,355	2,936,140
COST (M\$)	0.000	0.489	2.267	3.210	6.591	6.743	7.043	7.125

The M781 is an unfuzed, fixed round of practice ammunition. It is compatible with the M79 grenade launcher and M203 launcher. The cartridge case is made of plastic material and the projectile is also plastic with an aluminum rotating band. The ogive is made of a plastic material and contains a colored dye in granular form, the consistency of talcum powder, which is used to generate a signature. The propulsion system consists of a standard .38 caliber blank. This is a training unique item.

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

NOTE: In FY95, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

	FY95	FY96	FY97
Projected Qty			
Consumption	800000	800000	764222
Loss	4120	2718	1513
Gain	336693	401242	259725

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.489	2.267	3.210	6.591	6.743	7.043	7.125
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.489	2.267	3.210	6.591	6.743	7.043	7.125

P-1 SHOPP LIST  
 ITEM NO.

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1310-01-211-8073  
( B519 )

P-1 ITEM NOMENCLATURE:  
CTG, 40MM PRACTICE

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

		FY 1994	QTY	UNIT	0 )		FY 1995	QTY	UNIT	129097 )		FY 1996	QTY	UNIT	390353 )		FY 1997	QTY	UNIT	1510821 )	
ELEMENT OF COST		QTY	UNIT	COST	TOTAL	QTY	UNIT	COST	TOTAL	QTY	UNIT	COST	TOTAL	QTY	UNIT	COST	TOTAL	QTY	UNIT	COST	TOTAL
QW: EA																					
HARDWARE																					
-----																					
1. COMPLETE ROUND						129097	3.07		397			390353	4.56		1781		1510821	1.80		2718	
SUBTOTAL									397						1781					2718	
PRODUCT																					
-----																					
1. PRODUCTION ENGINEERING									16						55					114	
2. QUALITY ASSURANCE									1						2				4		
3. ACCEPTANCE TESTING									18						20				30		
4. INTERIM TRANSPORTATION									2						7				26		
5. INDUSTRIAL STOCK SUPPORT									23						76				76		
6. CAWCF GAIN/LOSS SURCHARGE									32						326				318		
SUBTOTAL									92						486				492		
*****																					
TOTAL P-1 LINE ITEM								3.79	489				5.81		2267			2.12		3210	
*****																					

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1310-01-211-8073

PROCUREMENT AMMUNITION, MARINE CORPS, EA 01

CTG, 40MM PRACTICE

( B519 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT		CONTRACTED BY	AWARD DATE	DATE OF		QUANTITY	UNIT COST	SPECS		SPECS IF YES	
		METHOD & TYPE				FIRST	DELIVERY			AVAIL	NOW	REV	WHEN
1 . COMPLETE ROUND													
FY 1995		C/FP		IOC	AUG 95	MAR 97		129097	3.07	YES		NO	
FY 1996		C/FP		IOC	JUN 96	MAY 97		390353	4.56	YES		NO	
FY 1997		C/FP		IOC	FEB 97	MAR 98		1510821	1.80	YES		NO	

REMARKS:

LINE ITEM 1 - TBS - To Be Selected



P20A DISPLAY FOR DODIC: B519

ITEM: CTG, 40MM PRACTICE  
MODEL NO: M781

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT  
POST D-DAY CONSUMPTION  
PHASE I  
PHASE II  
PHASE III  
TOTAL

MAJOR REGIONAL CONFLICT "A"  
FORCES ASHORE  
FORCES AFLOAT  
SUBTOTAL

MAJOR REGIONAL CONFLICT "B"  
FORCES ASHORE  
FORCES AFLOAT  
SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

6 GEO PREPOSITIONED

NALMEB  
GITMO  
WRSA

7 RESIDUAL

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

MPS BREAKOUT

MPS 1  
MPS 2  
MPS 3

800,000  
438,356  
1,238,356

800,000

438,356

1,238,356

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P-1 SHOPPING LIST

ITEM NO. PAGE NO.

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BUDGET ITEM JUSTIFICATION SHEET									
DATE:									
(ALTCODE: 011451 )									
P-1 NOMENCLATURE:									
60MM, ALL TYPES									
APPROPRIATION/									
PROCUREMENT, MARINE CORPS, BA 01									
FY 1994									
FY 1995									
FY 1996									
FY 1997									
FY 1998									
FY 1999									
FY 2000									
FY 2001									
QUANTITY									
COST (M\$)									
0.000									
16.016									
9.647									
5.127									
11.462									
13.729									
12.031									
7.008									
This P-40 combines the two 60mm HE rounds.									

NOTE: In FY95 & FY96, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

60 MM HE M888 correlates to PANMC P-1 Number 23.

PROGRAM COST BREAK-DOWN										DATE
APPROPRIATION/ PROCUREMENT MARINE CORPS, BA 01										(011451)
ELEMENT OF COST										
(TOTAL COST IN MILLIONS OF DOLLARS)										
P-1 ITEM NOMENCLATURE 60MM, ALL TYPES										
IDEN	FY - 1994	FY - 1995	FY - 1996	FY - 1997						
CODE										
	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
CTG, 60MM HE	0	0.000	39042	3.226	0	0.000	34145	0.000	34145	2.863
CTG, 60MM HE WITH MOF	0	0.000	81223	12.790	57828	9.647	13063	9.647	13063	2.264
TOTAL VALUE		0.000		16.016		9.647				5.127

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01 CTG, 60MM HE

(RCN: 01-145-1)

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	39,042	0	34,145	66,038	96,068	72,796	70,739
COST (M\$)	0.000	3.226	0.000	2.863	5.691	8.461	6.550	6.503

The 60mm HE round is a semi-fixed high explosive round for use in the 60mm (M224) Lightweight Company Mortar System. The 60mm LWCMS replaced the 60mm mortar (M19) series providing an increased range capability from 1,800 meters to 3,460 meters.

For FY97 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

NOTE: In FY95, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

	FY95	FY96	FY97
Projected Qty	142949	142949	142949
Consumption	2036	1601	1168
Loss	0	0	39042
Gain	0	0	0

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	3.226	0.000	2.863	5.691	8.461	6.550	6.503
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	3.226	0.000	2.863	5.691	8.461	6.550	6.503

P-1 SHOPP LIST

ITEM NO.

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: March 1996  
NSN: 1310-01-149-3185  
( B643 )

P-1 ITEM NOMENCLATURE:  
CTG, 60MM HE

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST																
FY 1994 (QTY		0 )		FY 1995 (QTY		39042 )		FY 1996 (QTY		0 )		FY 1997 (QTY		34145 )		
QM: EA	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	
HARDWARE																
1. LOAD, ASSEMBLE, AND PACK (LAP)				39042	14.52	567							34145	13.86	473	
2. *PROJ M720 MPTS				40604	10.81	439							35511	9.15	325	
3. *COMP B TYPE I GRADE A (LB)				31234	2.31	72							27316	1.39	38	
4. *TNT TYPE I, FLAKE (LB)				15617	1.55	24							13658	1.26	17	
5. FIN ASSY M27				40604	3.20	130							35511	9.63	342	
6. LAP CTG IGN M702				40604	7.47	303							35511	7.35	261	
7. M9 FLAKE .006 (LB)				313	85.58	27							274	72.13	20	
8. NITROCELLULOSE WW GR A (LB)				1289	8.99	12							1127	9.53	11	
9. M10 FLAKE .008 (LB)				3124	25.24	79							2732	19.53	53	
10. LAP CHG PROP M204				157730	0.79	125							137946	0.76	104	
11. CONTAINER ASSY M204				157730	1.88	297							137946	1.99	274	
12. LAP FZ PD M935				40214	3.13	126							35170	2.56	90	
13. FZ MPTS M935				40604	10.57	429							35511	8.90	316	
14. COMP A-5, CLASS 1 (LB)				1172	3.12	4							1025	12.54	13	
15. RDX TYPE II, CLASS 3 (LB)				59	3.31								52	12.75	1	
SUBTOTAL						2634									2338	
PRODUCT																
1. PRODUCTION ENGINEERING						116									122	
2. QUALITY ASSURANCE						5									4	
3. ACCEPTANCE TESTING						138									29	
4. INTERIM TRANSPORTATION						18									25	
5. INDUSTRIAL STOCK SUPPORT						177									106	
6. CMC/F GAIN/LOSS SURCHARGE						239									284	
7. *GOVERNMENT FURNISHED MATERIAL						-101									-45	
SUBTOTAL						592									525	
*****																
TOTAL P-1 LINE ITEM																
													82.63	3226	83.85	2863
*****																

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

## APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1310-01-149-3185

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 60MM HE

( B643 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 95	SEP 96	39042	14.52	YES	NO
FY 1997	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	DEC 96	SEP 98	34145	13.86	YES	NO
2 . *PROJ M720 MPTS									
FY 1995	STOCK ISSUE	N/A	N/A	N/A	N/A	40604	10.81	YES	NO
FY 1997	STOCK ISSUE	N/A	N/A	N/A	N/A	35511	9.15	YES	NO
3 . *COMP B TYPE I GRADE A (LB)									
FY 1995	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	FEB 95	AUG 95	31234	2.31	YES	NO
FY 1997	STOCK ISSUE	N/A	N/A	N/A	N/A	27316	1.39	YES	NO
4 . *TNT TYPE I, FLAKE (LB)									
FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JUL 95	AUG 95	15617	1.55	YES	NO
FY 1997	STOCK ISSUE	N/A	N/A	N/A	N/A	13658	1.26	YES	NO
5 . FIN ASSY M27									
FY 1995	WELLS MARINE COSTA MESA, CA	C/FP	IOC	AUG 95	MAR 96	40604	3.20	YES	NO
FY 1997		C/FP	IOC	JAN 97	AUG 97	35511	9.63	YES	NO



DATE:

## PROCUREMENT HISTORY &amp; PLANNING

## APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1310-01-149-3185

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 60MM HE

( B643 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
6 . LAP CTG IGN M702									
FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 95	AUG 95	40604	7.47	YES	NO
FY 1997	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 97	AUG 97	35511	7.35	YES	NO
7 . M9 FLAKE .006 (LB)									
FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 95	JUL 95	313	85.58	YES	NO
FY 1997	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 97	JUL 97	274	72.13	YES	NO
8 . NITROCELLULOSE WW GR A (LB)									
FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 95	JUN 95	1289	8.99	YES	NO
FY 1997	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 97	JUN 97	1127	9.53	YES	NO
9 . M10 FLAKE .008 (LB)									
FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 95	AUG 95	3124	25.24	YES	NO
FY 1997	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 97	AUG 97	2732	19.53	YES	NO

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

NSN: 1310-01-149-3185

P-1 ITEM NOMENCLATURE

APPROPRIATION/BUDGET ACTIVITY

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 60MM HE

( B643 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN	SPECS IF YES REQD AVAIL
10 . LAP CHG PROP M204										
FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 95	SEP 95	157730	0.79	YES	NO	
FY 1997	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 97	SEP 97	137946	0.76	YES	NO	
11 . CONTAINER ASSY M204										
FY 1995	ARMTEC DEFENSE PROD COACHELLA, CA	SS/FP	IOC	JUN 95	AUG 95	157730	1.88	YES	NO	
FY 1997	ARMTEC DEFENSE PROD COACHELLA, CA	SS/FP	IOC	JAN 97	AUG 97	137946	1.99	YES	NO	
12 . LAP FZ PD M935										
FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 95	APR 96	40214	3.13	YES	NO	
FY 1997	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 97	APR 98	35170	2.56	YES	NO	
13 . FZ MPTS M935										
FY 1995	ACTION MFG PHILADELPHIA, PA	C/FP	IOC	JUN 95	MAR 96	40604	10.57	YES	NO	
FY 1997		C/FP	IOC	DEC 96	MAR 98	35511	8.90	YES	NO	
14 . COMP A-5, CLASS 1 (LB)										
FY 1995	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	JAN 95	AUG 95	1172	3.12	YES	NO	

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EXHIBIT P-5A

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1310-01-149-3185

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 60MM HE

( B643 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
FY 1997	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	JAN 97	AUG 97	1025	12.54	YES	NO

15 . RDX TYPE II, CLASS 3 (LB)

FY 1995	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	JAN 95	AUG 95	59	3.31	YES	NO
FY 1997	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	JAN 97	AUG 97	52	12.75	YES	NO

REMARKS:

LINE ITEM 5 - TBS - To Be Selected    LINE ITEM 13 - \*\* PACING COMPONENT    LINE ITEM 13 - TBS - To Be Selected

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03011451

B643

P20A DISPLAY FOR DODIC:

ITEM: CTG, 60MM HE  
MODEL NO: M888

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE					95,254
FORCES AFLOAT		26,782	33,615	34,857	58,742
SUBTOTAL					153,996

### 2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE					134,151
FORCES AFLOAT		29,269	70,148	34,734	19,622
SUBTOTAL					153,773

### MRC TOTALS

307,769

### 3 SPECIAL MISSION FORCES

2,866

2,866

### 4 PEACETIME OPERATING STOCKS

50,387

50,387

### 5 TRAINING REQUIREMENT

142,949

142,949

### 6 GEO PREPOSITIONED

25,792

25,792

6,276

6,276

WRSA

### 7 RESIDUAL

79,080

79,080

### 8 REGENERATION

### APPROVED ACQUISITION OBJECTIVE

307,350

56,051

103,763

147,955

615,119

### MPS BREAKOUT

MPS 1

19,344

MPS 2

19,344

MPS 3

19,344

5-9

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 615119 DODIC: B643  
 ACQUISITION OBJECTIVE: 615119 DESCRIPTION: CTG, 60MM HE  
 LEADTIME: 24

	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
*****					
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$82.6300	\$0.0000	\$83.8500
TOTAL PRICE:		\$0	\$3,226,000	\$0	\$2,863,000
FY BUDGET QTY:		0	39042	0	34145
*****					
GAINS:					
FDP DELIVERIES:		0	0	0	39042
OTHER ( 93 & PRIOR)		274475	0	0	0
TOTAL:		274475	0	0	39042
*****					
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		105952	142949	142949	142949
WASHOUT:		1535	2036	1601	1168
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		107487	144985	144550	144117
*****					
NET CHANGE (+/-)		166988	-144985	-144550	-105075
*****					
ASSET POSITION:					
STD SERVICEABLE:	511771	678759	533773	389223	284148
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	511771	678759	533773	389223	284148
*****					
\$ VALUE:	\$0	\$0	\$44,105,697	\$0	\$23,825,845
*****					
RECOMMENDED BUY QTY	103348	-63640	81346	225896	330971
\$ VALUE:	\$0	\$0	\$6,721,586	\$0	\$27,751,883
*****					
DEFICIENCY A.O.	103348	-63640	81346	225896	330971
\$ VALUE:	\$0	\$0	\$6,721,586	\$0	\$27,751,883
*****					
PERCENT OF OBJECTIVE:	83%	110%	87%	63%	46%



## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/

P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01

CTG, 60MM HE WITH MOF

(RCN: 01-145-1)

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	81,223	57,828	13,063	32,393	28,927	29,455	2,654
COST (M\$)	0.000	12.790	9.647	2.264	5.771	5.268	5.481	0.505

The 60mm HE round is a semi-fixed high explosive round with a multi-option fuze (MOF) for use in the 60mm (M224) Lightweight Company Mortar System. The 60mm LMCMS replaced the 60mm mortar (M19) series providing an increased range capability from 1800 meters to 3460 meters. The multi-option fuze (MOF) gives the projectile the capability of creating an air burst over the target thus increasing lethality of the projectile. The MOF can also be placed in a point-detonating (PD) setting.

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

NOTE: In FY95, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

Projected Qty	FY95	FY96	FY97
Consumption	36480	36480	36480
Loss	326	216	106
Gain	0	0	81223

This item is code "A"

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	5.745	6.086	2.264	5.771	5.268	5.481	0.505
WAR RESERVES	0.000	7.045	3.561	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	12.790	9.647	2.264	5.771	5.268	5.481	0.505

## P-1 SHOPP LIST

ITEM NO.

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EXHIBIT B-40

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1310-01-022-7680  
( B642 )

P-1 ITEM NOMENCLATURE:  
CTG, 60MM HE WITH MOF

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

		FY 1994 (QTY	0 )	FY 1995 (QTY	81223 )	FY 1996 (QTY	57828 )	FY 1997 (QTY	13063 )	
ELEMENT OF COST		QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
QM: EA										
HARDWARE										
-----										
1.	LOAD, ASSEMBLE, AND PACK (LAP)				81223	15.08	1225			
2.	*PROJ M720 MPTS				84472	10.81	913			
3.	*COMP B TYPE I GRADE A (LB)				64979	2.31	150			
4.	*TNT TYPE I, FLAKE (LB)				32490	1.55	50			
5.	FIN ASSY M27				84472	3.20	271			
6.	LAP CTG IGN M702				84472	7.47	631			
7.	M9 FLAKE .006 (LB)				650	85.58	56			
8.	NITROCELLULOSE WW GR A (LB)				2681	8.99	24			
9.	M10 FLAKE .008 (LB)				6498	25.24	164			
10.	LAP CHG PROP M204				328141	0.79	260			
11.	CONTAINER ASSY M204				328141	1.88	618			
12.	LAP FUZE MO M734				83660	1.78	149			
13.	FZ MO M734 MPTS				84472	76.53	6464			
14.	DET STAB M61				85285	1.36	116			
15.	HMX GRADE B, CLASS 3 (LB)				366	13.69	5			
16.	COMP A-5, CLASS 1 (LB)				4549	3.12	14			
17.	RDX TYPE II, CLASS 3 (LB)				122	3.31	1			
18.	PBXN-5 TYPE I, CLASS 3 (LB)				26	40.29	1			
SUBTOTAL							11111			1974
PRODUCT										
-----										
1.	PRODUCTION ENGINEERING						435			
2.	QUALITY ASSURANCE						18			
3.	ACCEPTANCE TESTING						516			
4.	INTERIM TRANSPORTATION						68			
5.	INDUSTRIAL STOCK SUPPORT						662			
6.	CACWF GAIN/LOSS SURCHARGE						893			
7.	*GOVERNMENT FURNISHED MATERIAL						-913			
SUBTOTAL							1679			290
*****										
TOTAL P-1 LINE ITEM					157.47		12790		166.82	9647
										173.31
										2264



DATE:

## PROCUREMENT HISTORY &amp; PLANNING

## APPROPRIATION/BUDGET ACTIVITY

## P-1 ITEM NOMENCLATURE

NSN: 1310-01-022-7680

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 60MM HE WITH MOF

( B642 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS IF YES REV REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 95	OCT 96	81223	15.08	YES	NO
FY 1996	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	MAR 96	SEP 97	57828	15.18	YES	NO
FY 1997	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	DEC 96	SEP 98	13063	14.35	YES	NO
2 . *PROJ M720 MPETS									
FY 1995	STOCK ISSUE	N/A	N/A	N/A	N/A	84472	10.81	YES	NO
FY 1996	STOCK ISSUE	N/A	N/A	N/A	N/A	60142	10.89	YES	NO
FY 1997	STOCK ISSUE	N/A	N/A	N/A	N/A	13586	9.15	YES	NO
3 . *COMP B TYPE I GRADE A (LB)									
FY 1995	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	JAN 95	AUG 95	64979	2.31	YES	NO
FY 1996	STOCK ISSUE	N/A	N/A	N/A	N/A	46263	1.65	YES	NO
FY 1997	STOCK ISSUE	N/A	N/A	N/A	N/A	10451	1.39	YES	NO
4 . *TNT TYPE I, FLAKE (LB)									
FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 95	AUG 95	32490	1.55	YES	NO
FY 1996	STOCK ISSUE	N/A	N/A	N/A	N/A	23132	1.50	YES	NO
FY 1997	STOCK ISSUE	N/A	N/A	N/A	N/A	5226	1.26	YES	NO

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

## APPROPRIATION/BUDGET ACTIVITY

## P-1 ITEM NOMENCLATURE

NSN: 1310-01-022-7680

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 60MM HE WITH MOF

( B642 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS REV	SPECS IF YES WHEN REQD AVAIL
5 . FIN ASSY M27										
FY 1995	WELLS MARINE COSTA MESA, CA	C/FP	IOC	AUG 95	MAR 96	84472	3.20	YES	NO	
FY 1996		C/FP	IOC	JAN 97	APR 97	60142	3.30	YES	NO	
FY 1997		C/FP	IOC	JAN 97	AUG 97	13586	9.63	YES	NO	
6 . LAP CTG IGN M702										
FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 95	AUG 95	84472	7.47	YES	NO	
FY 1996	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	MAR 96	AUG 96	60142	8.54	YES	NO	
FY 1997	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 97	AUG 97	13586	7.35	YES	NO	
7 . M9 FLAKE .006 (LB)										
FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 95	JUL 95	650	85.58	YES	NO	
FY 1996	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	MAR 96	JUL 96	463	76.99	YES	NO	
FY 1997	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 97	JUL 97	105	72.13	YES	NO	
8 . NITROCELLULOSE WW GR A (LB)										
FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 95	JUN 95	2681	8.99	YES	NO	
FY 1996	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	MAR 96	JUN 96	1909	9.08	YES	NO	

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EXHIBIT P-5A

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

## APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1310-01-022-7680

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 60MM HE WITH MOF

( B642 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS REV	SPECS IF YES WHEN REQD AVAIL
FY 1997	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 97	JUN 97	432	9.53	YES	NO	
9 . M10 FLAKE .008 (LB)										
FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 95	AUG 95	6498	25.24	YES	NO	
FY 1996	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	MAR 96	AUG 96	4627	22.79	YES	NO	
FY 1997	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 97	AUG 97	1046	19.53	YES	NO	
10 . LAP CHG PROP M204										
FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 95	SEP 95	328141	0.79	YES	NO	
FY 1996	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	MAR 96	SEP 96	233626	0.76	YES	NO	
FY 1997	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 97	SEP 97	52775	0.76	YES	NO	
11 . CONTAINER ASSY M204										
FY 1995	ARMTEC DEFENSE PROD COACHELLA, CA	SS/FP	IOC	JUN 95	AUG 95	328141	1.88	YES	NO	
FY 1996	ARMTEC DEFENSE PROD COACHELLA, CA	SS/FP	IOC	JAN 96	AUG 96	233626	2.19	YES	NO	
FY 1997	ARMTEC DEFENSE PROD COACHELLA, CA	SS/FP	IOC	JAN 97	AUG 97	52775	1.99	YES	NO	

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1310-01-022-7680

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 60MM HE WITH MOP

( B642 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
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## 12 . LAP FUZE MO M734

FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 95	MAY 96	83660	1.78	YES	NO
FY 1996	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	MAR 96	APR 97	59563	1.79	YES	NO
FY 1997	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 97	APR 98	13455	1.70	YES	NO

## 13 . FZ MO M734 MPTS

FY 1995	ACCUDYNE CORP JANESVILLE, WI	C/FP	IOC	MAY 95	APR 96	84472	76.53	YES	NO
FY 1996		C/FP	IOC	JUN 96	MAR 97	60142	79.23	YES	NO
FY 1997		C/FP	IOC	MAR 97	MAR 98	13586	86.62	YES	NO

## 14 . DET STAB M61

FY 1995	DAY & ZIMMERMAN TEXARKANA, TX	SS/CPFF	IOC	JAN 95	JUL 95	85285	1.36	YES	NO
FY 1996	DAY & ZIMMERMAN TEXARKANA, TX	SS/CPFF	IOC	MAR 96	NOV 96	60720	1.25	YES	NO
FY 1997	DAY & ZIMMERMAN TEXARKANA, TX	SS/CPFF	IOC	JAN 97	JUL 97	13717	1.38	YES	NO

## 15 . HMX GRADE B, CLASS 3 (LB)

FY 1995	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	JAN 95	JUL 95	366	13.69	YES	NO
FY 1996	HOLSTON DEFENSE CORP KINGSPORT, TN	SS/CPFF	IOC	MAR 96	MAR 97	261	26.61	YES	NO

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EXHIBIT P-5A

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

## APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1310-01-022-7680

## PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 60MM HE WITH MOF

( B642 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN
FY 1997 HOLSTON DEFENSE CORP KINGSPORT, TN		SS/CPFF	IOC	JAN 97	JUL 97	59	87.59	YES	NO
16 . COMP A-5, CLASS 1 (LB)									
FY 1995 HOLSTON DEFENSE CORP KINGSPORT, TN		SS/CPFF	IOC	JAN 95	AUG 95	4549	3.12	YES	NO
FY 1996 HOLSTON DEFENSE CORP KINGSPORT, TN		SS/CPFF	IOC	MAR 96	MAR 97	3239	6.62	YES	NO
FY 1997 HOLSTON DEFENSE CORP KINGSPORT, TN		SS/CPFF	IOC	JAN 97	AUG 97	732	12.54	YES	NO
17 . RDX TYPE II, CLASS 3 (LB)									
FY 1995 HOLSTON DEFENSE CORP KINGSPORT, TN		SS/CPFF	IOC	JAN 95	AUG 95	122	3.31	YES	NO
FY 1996 HOLSTON DEFENSE CORP KINGSPORT, TN		SS/CPFF	IOC	MAR 96	MAR 97	87	7.55	YES	NO
FY 1997 HOLSTON DEFENSE CORP KINGSPORT, TN		SS/CPFF	IOC	JAN 97	AUG 97	20	12.75	YES	NO
18 . PBXN-5 TYPE I, CLASS 3 (LB)									
FY 1995 HOLSTON DEFENSE CORP KINGSPORT, TN		SS/CPFF	IOC	JAN 95	JUL 95	26	40.29	YES	NO
FY 1996 HOLSTON DEFENSE CORP KINGSPORT, TN		SS/CPFF	IOC	MAR 96	MAR 97	18	42.74	YES	NO
FY 1997 HOLSTON DEFENSE CORP KINGSPORT, TN		SS/CPFF	IOC	JAN 97	JUL 97	5	60.83	YES	NO

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1310-01-022-7680

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 60MM HE WITH MOF

( B642 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS REV	SPECS IF YES WHEN REQD AVAIL
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REMARKS:

LINE ITEM 6 - TBS - To Be Selected    LINE ITEM 14 - \*\* PACING COMPONENT    LINE ITEM 14 - TBS - To Be Selected

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

P20A DISPLAY FOR DODIC: B642

ITEM: CTG, 60MM HE WITH MOF

PM: AM

MODEL NO: M720

RCN: 03011451

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE		13,633	14,407	14,938	42,978
FORCES AFLOAT				25,175	25,175
SUBTOTAL					68,153
2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE		12,545	30,064	14,885	57,494
FORCES AFLOAT				8,409	8,409
SUBTOTAL					65,903
MRC TOTALS					134,056
3 SPECIAL MISSION FORCES	1,228				1,228
4 PEACETIME OPERATING STOCKS					
5 TRAINING REQUIREMENT	36,480				36,480
6 GEO PREPOSITIONED					
NALMEB	11,056				11,056
GITMO					
WRSB					
7 RESIDUAL	16,576				16,576
8 REGENERATION					
APPROVED ACQUISITION OBJECTIVE	65,340	26,178	44,471	63,407	199,396
MPS BREAKOUT					
MPS 1		8,288			8,288
MPS 2		8,288			8,288
MPS 3		8,288			8,288

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## ASSET DYNAMICS

DATE: 03/14/96

PROCUREMENT OBJECTIVE: 199396 DODIC: B642		DESCRIPTION: CTG, 60MM HE WITH MOF		FY 1994		FY 1995		FY 1996		FY 1997	
ACQUISITION OBJECTIVE: 199396		24		30 SEPT 1993							
LEADTIME											
*****		*****		*****		*****		*****		*****	
BUY SUMMARY:											
UNIT PRICE:		\$0.0000		\$0.0000		\$157.4700		\$166.8200		\$173.3100	
TOTAL PRICE:				\$0		\$12,790,000		\$9,647,000		\$2,264,000	
FY BUDGET QTY:				0		81223		57828		13063	
*****		*****		*****		*****		*****		*****	
GAINS:											
FDP DELIVERIES:				0		0		0		81223	
OTHER ( 93 & PRIOR)				0		0		0		81223	
TOTAL:				0		0		0		81223	
*****		*****		*****		*****		*****		*****	
LOSSES:											
COMBAT:				0		0		0		0	
COMBAT ALLIES:				0		0		0		0	
PEACETIME:				0		36480		36480		36480	
WASHOUT:				327		326		216		106	
SALES:				0		0		0		0	
OTHER:				0		0		0		0	
TOTAL:				327		36806		36696		36586	
*****		*****		*****		*****		*****		*****	
NET CHANGE (+/-)				-327		-36806		-36696		44637	
*****		*****		*****		*****		*****		*****	
ASSET POSITION:											
STD SERVICEABLE:		109135		108808		72001		35305		79942	
UNSERVICEABLE:		0		0		0		0		0	
MAINTENANCE:		0		0		0		0		0	
SUBSTITUTE:		0		0		0		0		0	
TOTAL:		109135		108808		72001		35305		79942	
*****		*****		*****		*****		*****		*****	
\$ VALUE:		\$0		\$0		\$11,338,025		\$5,889,608		\$13,854,792	
*****		*****		*****		*****		*****		*****	
RECOMMENDED BUY QTY		90261		90588		127395		164091		119454	
\$ VALUE:		\$0		\$0		\$20,060,864		\$27,373,632		\$20,702,529	
*****		*****		*****		*****		*****		*****	
DEFICIENCY A.O.		90261		90588		127395		164091		119454	
\$ VALUE:		\$0		\$0		\$20,060,864		\$27,373,632		\$20,702,529	
*****		*****		*****		*****		*****		*****	
PERCENT OF		55%		55%		36%		18%		40%	
OBJECTIVE:		*****		*****		*****		*****		*****	





BUDGET ITEM JUSTIFICATION SHEET									
DATE:									
(ALTCODE: 012481 )									
P-1 NOMENCLATURE:									
PROCUREMENT, MARINE CORPS, BA 01									
81MM, ALL TYPES									
FY 1994									
FY 1995									
FY 1996									
FY 1997									
FY 1998									
FY 1999									
FY 2000									
FY 2001									
QUANTITY									
COST (M\$)									
0.000									
15.662									
10.972									
1.731									
0.000									
44.922									
32.433									
45.333									
This P-40 combines the two 81mm HE rounds and 81mm Infrared.									

NOTE: In FY95 & FY96, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

81 MM HE correlates to PANMC P-1 Number 24.

PROGRAM COST BREAK-DOWN										DATE
APPROPRIATION/										
PROCUREMENT MARINE CORPS, BA 01										
P-1 ITEM NOMENCLATURE										(012481)
81MM, ALL TYPES										
ELEMENT OF COST										
(TOTAL COST IN MILLIONS OF DOLLARS)										
IDEN	FY - 1994	FY - 1995	FY - 1996	FY - 1997						
CODE	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
CTG, 81MM HE WITH MOP	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
CTG, 81MM HE WITH PD FUZE	0	0.000	87075	15.662	0	0.000	0	0.000	0	0.000
CTG, 81MM ILLUM INFARED	0	0.000	0	0.000	19886	10.972	1852	1.731		
TOTAL VALUE		0.000		15.662		10.972		1.731		

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:

(RCN: 01-260-1)

PROCUREMENT, MARINE CORPS, BA 01 CTG, 81MM HE WITH MOF

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	0	0	0	28,114	27,503
COST (M\$)	0.000	0.000	0.000	0.000	0.000	0.000	13.163	13.065

This 81mm High Explosive (HE) (M984) cartridge with multi-option fuze (MOF) is used in the medium, extended range mortar system (M252). The 81mm mortar (M252) replaced the M29/M29A1 and provides improved range from 4,900 to 5,600 meters. The 81mm cartridge is used against personnel and material, producing both fragmentation and blast effect. The multi-option fuze (MOF) gives the projectile the capability of creating an airburst above the target thus increasing the lethality of the projectile. The MOF can also be placed in a point-detonating (PD) setting.

	FY95	FY96	FY97
Projected Qty	30868	30868	30868
Consumption	1234	1260	1251
Loss	40913	29224	0
Gain			

This item is code "A"

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.000	0.000	0.000	0.000	10.139	10.287
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	3.024	2.778
COST (M\$)	0.000	0.000	0.000	0.000	0.000	0.000	13.163	13.065

P-1 SHOPP LIST

ITEM NO.

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EXHIBIT P-40

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03012601

C868

P20A DISPLAY FOR DODIC:

ITEM: CTG, 81MM HE WITH MOF  
MODEL NO: M821A1

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE		32,708	112,958	22,443	168,109
FORCES AFLOAT				42,082	42,082
SUBTOTAL					210,191
2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE		15,281	34,520	17,170	66,971
FORCES AFLOAT				87,816	87,816
SUBTOTAL					154,787
MRC TOTALS					364,978
3 SPECIAL MISSION FORCES	2,981				2,981
4 PEACETIME OPERATING STOCKS					
5 TRAINING REQUIREMENT	30,868				30,868
6 GEO PREPOSITIONED					
NALMEB	17,886				17,886
GITMO	5,069				5,069
WRSA					
7 RESIDUAL	73,623				73,623
8 REGENERATION					
APPROVED ACQUISITION OBJECTIVE	130,427	47,989	147,478	169,511	495,405

### MPS BREAKOUT

MPS 1	25,140
MPS 2	25,140
MPS 3	25,140

4

## ASSET DYNAMICS

DATE:

		30 SEPT 1993		FY 1994		FY 1995		FY 1996		FY 1997	
*****											
PROCUREMENT OBJECTIVE: 495405		DODIC: C868									
ACQUISITION OBJECTIVE: 495405		DESCRIPTION: CTG, 81MM HE WITH MOF									
LEADTIME: 17											
*****											
BUY SUMMARY:											
UNIT PRICE:		\$0.0000		\$183.7500		\$0.0000		\$0.0000		\$0.0000	
TOTAL PRICE:				\$12,890,000		\$0		\$0		\$0	
FY BUDGET QTY:				70137		\$0		\$0		\$0	
*****											
GAINS:											
FDP DELIVERIES:				0		40913		29224		0	
OTHER ( 93 & PRIOR)				171795		0		0		0	
TOTAL:				171795		40913		29224		0	
*****											
LOSSES:											
COMBAT:				0		0		0		0	
COMBAT ALLIES:				0		0		0		0	
PEACETIME:				39724		30868		30868		30868	
WASHOUT:				840		1234		1260		1251	
SALES:				0		0		0		0	
OTHER:				0		0		0		0	
TOTAL:				40564		32102		32128		32119	
*****											
NET CHANGE (+/-)				131231		8812		-2904		-32119	
*****											
ASSET POSITION:											
STD SERVICEABLE:		280004		411235		420047		417142		385023	
UNSERVICEABLE:		0		0		0		0		0	
MAINTENANCE:		0		0		0		0		0	
SUBSTITUTE:		0		0		0		0		0	
TOTAL:		280004		411235		420047		417142		385023	
\$ VALUE:		\$0		\$75,564,429		\$0		\$0		\$0	
*****											
RECOMMENDED BUY QTY		215401		84170		75358		78263		110382	
\$ VALUE:		\$0		\$15,466,240		\$0		\$0		\$0	
*****											
DEFICIENCY A.O.		215401		84170		75358		78263		110382	
\$ VALUE:		\$0		\$15,466,240		\$0		\$0		\$0	
*****											
PERCENT OF OBJECTIVE:		57%		83%		85%		84%		78%	
*****											

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

(RCN: 01-260-1)

## P-1 NOMENCLATURE:

CTG, 81MM HE WITH PD FUZE

APPROPRIATION/  
PROCUREMENT, MARINE CORPS, BA 01

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	87,075	0	0	0	265,208	110,447	108,390
COST (M\$)	0.000	15.662	0.000	0.000	0.000	44.922	19.270	29.478

The 81mm High Explosive (HE) cartridge is used in the medium, extended range mortar system (M252). The 81mm mortar M252 replaces the M29/M29A1 and provides improved range from 4,900 meters to 5,600 meters. The 81mm HE cartridge is used against personnel and material, producing both fragmentation and blast effect. The point-detonating (PD) fuze consists of a crossbar and holding assembly, a firing pin, detonator assembly, a setting sleeve assembly, a delay plunger and safe and arming mechanism.

NOTE: In FY95, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

Projected Qty	FY95	FY96	FY97
Consumption	94892	94892	94892
Loss	2831	2595	2495
Gain	18842	64253	36281

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	15.662	0.000	0.000	0.000	15.124	16.556	17.052
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	29.798	2.714	12.426
COST (M\$)	0.000	15.662	0.000	0.000	0.000	44.922	19.270	29.478

P-1 SHOPP LIST

ITEM NO.

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EXHIBIT P-40

AMMUNITION COST ANALYSIS												
APPROPRIATION/BUDGET ACTIVITY:										DATE:		
PROCUREMENT AMMUNITION, USMC/ACTIVITY 1. AMMUNITION												
CTG, MORTAR, 81MM, HE/PD, M889A1										1315-01-286-1385(C877)		
ELEMENT OF COST	FY94		QTY -		FY95		QTY -		FY96		FY97	
	QTY (EA)	UNIT COST	QTY (EA)	UNIT COST	QTY (EA)	UNIT COST	QTY (EA)	UNIT COST	QTY (EA)	UNIT COST	QTY (EA)	UNIT COST
<b>HARDWARE</b>												
1. CTG, M889A1, LAP			87,075	72.38		6,300						
2. CTG, M889A1, MPTS			89,587	18.35		1,648						
3. M836 PD FUZE			90,558	13.79		1,249						
4. IGNITION CTG M299			90,558	6.83		628						
5. PROPELLING CHARGE M220			357,908	1.40		500						
6. OTHER HARDWARE						2,744						
<b>SUBTOTAL</b>						13,067						
<b>PROCUREMENT SUPPORT</b>												
1. ENGINEERING SUPPORT						845						
2. QUALITY ASSURANCE						281						
3. PROOF & ACCEPTANCE						605						
4. INTERIM TRANSPORTATION						86						
5. INDUSTRIAL STOCK SUPPORT - NON CAWCF						777						
6. CAWCF GAIN/LOSS SURCHARGE						0						
<b>SUBTOTAL</b>						2,595						
<b>NON-RECURRING COSTS</b>												
1. FIRST ARTICLE /INITIAL PRODUCTION TEST												
<b>SUBTOTAL</b>												
<b>TOTAL P-1 LINE ITEM</b>						179.80						
										15,662		

P-1 ITEM NO.

PAGE NO.

Exhibit P-5

DD FORM 2448, AUG 89

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BUDGET PROCUREMENT HISTORY AND PLANNING							DATE:			
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT AMMUNITION, USMC/ACTIVITY 1. AMMUNITION				P-1 ITEM NOMENCLATURE: CTG, MORTAR, 81MM, HE/PD, M889A1						
LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
1. CTG.M889A1 LAP										
FY95	MARTIN MARIETTA (MILAN AAP) MILAN, TN	SS/FP	IOC	Apr 96	Nov 97	87,075	72.38	YES	NO	
2. CTG.M889A1 MPTS										
FY95	MEDICO INDUSTRIES WILKES-BARRE, PA	SS/FP	IOC	May 96	Apr 97	69,687	18.35	YES	NO	
3. M835 PD FUZE										
FY95	PHILADELPHIA, PA UNKNOWN	C/FP	IOC	Aug 96	Aug 97	90,558	13.79	YES	NO	
REMARKS:										
<p>Sole source to Milan AAP due to available tooling and expertise.</p> <p>Same line produces the M821A1 &amp; M889A1.</p> <p>Ctg MPTS sole source to restricted specified base.</p>										

BUDGET PROCUREMENT HISTORY AND PLANNING							DATE:			
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT AMMUNITION, USMC/ACTIVITY 1. AMMUNITION				P-1 ITEM NOMENCLATURE: CTG, MORTAR, 81MM, HE/PG, M889A1						
LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
4. IGNITION CTG M299										
FY95	MARTIN MARIETTA (MILAN AAP) MILAN, TN	SS/FP	IOC	Apr 96	Oct 96	90,558	6.93	YES	NO	
5. PROPELLING CHARGE M220										
FY95	MARTIN MARIETTA (MILAN AAP) MILAN, TN	SS/FP	IOC	Apr 96	Oct 96	357,008	1.40	YES	NO	
REMARKS:										
Sole source to Milan AAP due to available tooling and expertise. Same line produces the M821A1 & M889A1. Ctg MPTS sole source to restricted specified base. DD FORM 2448-1, JUL 87										

## SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03012481

C869

P20A DISPLAY FOR DODIC:

ITEM: CTG, 81MM HE WITH PD FUZE

MODEL NO: M889A1

## INVENTORY OBJECTIVE QUANTITIES

## INITIAL ISSUE OF EQUIPMENT

## POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE		76,671	263,570	52,368	392,609
FORCES AFLOAT				98,191	98,191
SUBTOTAL					490,800

2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE		35,655	80,548	40,063	156,266
FORCES AFLOAT				204,905	204,905
SUBTOTAL					361,171

MRC TOTALS					851,971
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3 SPECIAL MISSION FORCES	6,956				6,956
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4 PEACETIME OPERATING STOCKS	50,387				50,387
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5 TRAINING REQUIREMENT	94,892				94,892
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6 GEO PREPOSITIONED					
NALMEB	41,739				41,739
GITMO	17,673				17,673
WRSB					

7 RESIDUAL	166,470				166,470
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8 REGENERATION					
APPROVED ACQUISITION OBJECTIVE	378,117	112,326	344,118	395,527	1,230,088

MPS BREAKOUT					
MPS 1		58,665			58,665
MPS 2		58,665			58,665
MPS 3		58,665			58,665

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## DATE:

6982

FY 1997

PAGE NO. 6-11



## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01 CTG, 81MM ILLUM INFRARED

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	19,886	1,852	0	0	0	4,735
COST (M\$)	0.000	0.000	10.972	1.731	0.000	0.000	0.000	2.790

The M816 is an Infrared Illumination cartridge for use with the 81mm Mortar system (M252). This cartridge will complement Marine Corps Night Vision Equipment through exploitation of infrared illumination. This will allow use as a discrete supplementary illumination source for troops using image intensifier Night Vision systems whose range under normal conditions increases by a factor of four or greater. It can also be used to overcome the performance degradation experienced by light intensification systems under zero light or overcast conditions. This cartridge is ballistically matched to the M853A1 illumination cartridge.

For FY96 this is a non-Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	0	801	801
Loss	25	25	23
Gain	0	0	11600

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.442	0.749	0.000	0.000	0.000	1.416
WAR RESERVES	0.000	0.000	10.530	0.982	0.000	0.000	0.000	0.982
COST (M\$)	0.000	0.000	10.972	1.731	0.000	0.000	0.000	2.790

P-1 SHOPP LIST  
ITEM NO.

AMMUNITION COST ANALYSIS										
APPROPRIATION/BUDGET ACTIVITY:										DATE:
PROCUREMENT AMMUNITION, USMC/ACTIVITY 1. AMMUNITION										
CTG, MORTAR, 81MM, IR ILLUM, XM816 (E76101)										
1615-01-378-1026										
ELEMENT OF COST	FY94		FY95		FY96		FY97		FY98	
	QTY (EA)	UNIT COST	QTY (EA)	UNIT COST	QTY (EA)	UNIT COST	QTY (EA)	UNIT COST	QTY (EA)	UNIT COST
<b>HARDWARE</b>										
1. CTG, XM816, LAP										
2. IR CANDLE										
3. PROP CHG M219										
4. IGN CTG M762										
5. FUZE M772										
6. OTHER HARDWARE										
<b>SUBTOTAL</b>										
<b>PROCUREMENT SUPPORT</b>										
1. ENGINEERING SUPPORT										
2. QUALITY ASSURANCE										
3. PROOF & ACCEPTANCE										
4. INTERIM TRANSPORTATION										
5. INDUSTRIAL STOCK SUPPORT - NON CAWCF										
6. CAWCF GAIN/LOSS SURCHARGE										
<b>SUBTOTAL</b>										
<b>NON-RECURRING COSTS</b>										
<b>TOTAL P-1 LINE ITEM</b>										

BUDGET PROCUREMENT HISTORY AND PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT AMMUNITION, USMC/ACTIVITY 1. AMMUNITION					P-1 ITEM NOMENCLATURE: CTG, MORTAR, 81MM, IRI LLUM, XM816 (E76101)					
LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
1. CTG XM816 LAR FY96	PINE BLUFF ARSENAL PINE BLUFF, AR	SS/FP	IOC	Apr 96	Jul 97	19,886	162.70	YES	NO	
FY97	PINE BLUFF ARSENAL PINE BLUFF, AR	SS/FP	IOC	Feb 97	May 98	1,852	167.59		NO	
2. IR CANDLE FY96	CRANE AAA CRANE, IN	SS/FP	IOC	Apr 96	Apr 97	19,886	105.00	YES	NO	
FY97	CRANE AAA CRANE, IN	SS/FP	IOC	Feb 97	Apr 98	1,852	108.16		NO	
3. PROP CHG M219 FY96	MARTIN MARIETTA (MILAN AAP) MILAN, TN	SS/FP	IOC	Apr 96	Oct 96	81,533	2.91	YES	NO	
FY97	MARTIN MARIETTA (MILAN AAP) MILAN, TN	SS/FP	IOC	Feb 97	Aug 97	7,593	2.81		NO	
4. IGN CTG M752 FY96	MARTIN MARIETTA (MILAN AAP) MILAN, TN	SS/FP	IOC	Apr 96	Oct 96	20,681	17.52	YES	NO	
FY97	MARTIN MARIETTA (MILAN AAP) MILAN, TN	SS/FP	IOC	Feb 97	Aug 97	1,926	14.90		NO	
5. FLUZE M772 FY96	JUNGHANS, GERMANY	SS/FP OPT	IOC	Aug 96	Feb 97	20,681	153.39	YES	NO	
FY97	JUNGHANS, GERMANY		IOC	Apr 97	Oct 97	1,926	172.36		NO	
REMARKS: Sole source to Pine Bluff Arsenal to workload specified mission facility. Sole source to Crane AAA due to available tooling and expertise. Sole source to Milan AAP due to available tooling and expertise. Sole source to Junghans as only responsible source.										



# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

P20A DISPLAY FOR DODIC:

C484

ITEM: CTG, 81MM ILLUM INFRARED

PM: AM

MODEL NO: M853A1E2

RCN:

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE					6,580
FORCES AFLOAT		3,193	2,157	1,230	983
SUBTOTAL					7,563

2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE					23,228
FORCES AFLOAT		2,731	14,454	6,043	4,200
SUBTOTAL					27,428

MRC TOTALS					34,991
------------	--	--	--	--	--------

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT	3,207				3,207
------------------------	-------	--	--	--	-------

6 GEO PREPOSITIONED					
NALMEB					
GITMO					
WRSB					

7 RESIDUAL

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE	3,207	5,924	16,611	12,456	38,198
--------------------------------	-------	-------	--------	--------	--------

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

## ASSET DYNAMICS

DATE

PROCUREMENT OBJECTIVE: 38198		DODIC: C484		DESCRIPTION: CTG, 81MM ILLUM INFRARED		DATE	
ACQUISITION OBJECTIVE: 38198							
LEADTIME 17							
30 SEPT 1993		FY 1994		FY 1995		FY 1996	
FY 1997							
*****							
BUY SUMMARY:							
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$551.4700	\$934.6700		
TOTAL PRICE:	\$0	\$0	\$0	\$10,972,000	\$1,731,000		
FY BUDGET QTY:	0	0	0	19886	1852		
*****							
GAINS:							
FDP DELIVERIES:	0	0	0	0	11600		
OTHER ( 93 & PRIOR)	8370	0	0	0	0		
TOTAL:	8370	0	0	0	11600		
*****							
LOSSES:							
COMBAT:	0	0	0	0	0		
COMBAT ALLIES:	0	0	0	0	0		
PEACETIME:	0	0	0	801	801		
WASHOUT:	0	25	25	25	23		
SALES:	0	0	0	0	0		
OTHER:	0	0	0	0	0		
TOTAL:	0	25	25	826	824		
*****							
NET CHANGE (+/-)							
	8370	-25	-25	-826	10777		
*****							
ASSET POSITION:							
STD SERVICEABLE:	0	8345	8345	7519	18295		
UNSERVICEABLE:	0	0	0	0	0		
MAINTENANCE:	0	0	0	0	0		
SUBSTITUTE:	0	0	0	0	0		
TOTAL:	0	8370	8345	7519	18295		
*****							
\$ VALUE:	\$0	\$0	\$0	\$4,146,423	\$17,100,223		
*****							
RECOMMENDED BUY QTY	38198	29828	29853	30679	19903		
\$ VALUE:	\$0	\$0	\$0	\$16,918,628	\$18,602,302		
*****							
DEFICIENCY A.O.	38198	29828	29853	30679	19903		
\$ VALUE:	\$0	\$0	\$0	\$16,918,628	\$18,602,302		
*****							
PERCENT OF	0%	22%	22%	20%	48%		
OBJECTIVE:							
*****							

DATE: \_\_\_\_\_

## P.1 ITEM PHOMENOLATURPE

CTG, MORTAR BOMB, RIFLEMAN, 240118 (E9101)

FACIL. NO.	MANUFACTURER'S NAME & LOCATION	PRODUCTION RATES		Monitor to reach main after 0 day
		Minimum	Maximum	
1	MILWAUKEE, WI	12	40	120
2	ACTON, ILL., PA	10	40	160

PROPOSEMENT LEAD TIME (MONTHS)				
	ADJOURN LEAD TIME		PERIOD	TOTAL AFTER 1 OCT
	BEFORE 1 OCT	AFTER 1 OCT		
INITIAL	5	6	10	24
RECORD	3	4	10	17

Delivery of FY04 will follow full year procurement of M21A10 & M21A12.

**Quadrilles in thousands**

## BUDGET ITEM JUSTIFICATION SHEET

APPROPRIATION/ P-1 NOMENCLATURE:  
 PROCUREMENT, MARINE CORPS, BA 01 CTG, 81MM SMOKE RP

(RCN: 01-238-1)

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	11,203	13,997	7,427	0	0	15,093	16,227
COST (M\$)	0.000	4.301	5.330	2.573	0.000	0.000	5.616	6.171

The 81mm Smoke Screening (Red Phosphorous) M819 will be used in the medium, extended range mortar system M252. The round, upon functioning of the time fuze will eject 28 red phosphorous wedges and randomly disperse them on the target to quickly produce an obscuring smoke for five minutes or longer.

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

NOTE: In FY95, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

	FY95	FY96	FY97
Projected Qty			
Consumption	18710	18710	18710
Loss	356	299	242
Gain	0	0	11203

81 MM Smoke Screen correlates to PANMC P-1 Number 25.

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	4.301	5.330	2.573	0.000	0.000	5.616	6.171
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	4.301	5.330	2.573	0.000	0.000	5.616	6.171

P-1 SHOPP LIST  
 ITEM NO.

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

P-1 ITEM NOMENCLATURE:  
CTG, 81MM SMOKE RP

DATE:  
NSN: 1315-01-353-7620  
( C870 )

		FY 1994 (QTY	0 )	FY 1995 (QTY	11203 )	FY 1996 (QTY	13997 )	FY 1997 (QTY	7427 )	
ELEMENT OF COST										
QOM: EA										
HARDWARE										
-----										
		QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
1.	LOAD, ASSEMBLE, AND PACK (LAP)				11203	163.62	1833			
2.	FZ M772				11652	112.95	1316			
3.	PROP CHG M218				45933	1.79	82			
4.	CONTAINER ASSY				45933	1.95	89			
5.	NITROCELLULOSE WW GR A (LB)				762	8.99	7			
6.	IGN CTG M752A1				11652	12.59	147			
7.	M9 FLAKE .010 (LB)				262	51.29	13			
SUBTOTAL							3487			4186
PRODUCT										
-----										
1.	PRODUCTION ENGINEERING						136			130
2.	QUALITY ASSURANCE						6			6
3.	ACCEPTANCE TESTING						162			48
4.	INTERIM TRANSPORTATION						21			16
5.	INDUSTRIAL STOCK SUPPORT						209			179
6.	CAWCF GAIN/LOSS SURCHARGE						280			765
SUBTOTAL							814			1144
*****										
TOTAL P-1 LINE ITEM						383.90	4301		380.77	5330
*****										
									346.40	2573

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1315-01-353-7620

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 81MM SMOKE RP

( C870 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1995	PINE BLUFF ARSENAL PINE BLUFF, AR	SS/FP	IOC	MAR 95	OCT 96	11203	163.62	YES	NO
FY 1996	PINE BLUFF ARSENAL PINE BLUFF, AR	SS/FP	IOC	MAY 96	SEP 97	13997	155.90	YES	NO
FY 1997	PINE BLUFF ARSENAL PINE BLUFF, AR	SS/FP	IOC	DEC 96	SEP 98	7427	148.76	YES	NO
2 . FZ M772									
FY 1995	JUNGHAMS SCHRAMBERG, GERMANY	SS/FP	IOC	MAR 95	JUL 96	11652	112.95	YES	NO
FY 1996	JUNGHAMS SCHRAMBERG, GERMANY	SS/FP	IOC	AUG 96	JUL 97	14557	108.77	YES	NO
FY 1997	JUNGHAMS SCHRAMBERG, GERMANY	SS/FP	IOC	MAR 97	JUL 98	7725	100.72	YES	NO
3 . PROP CHG M218									
FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 95	JUL 96	45933	1.79	YES	NO
FY 1996	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	MAY 96	JUN 97	57388	1.74	YES	NO
FY 1997	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	AN 97	JUN 98	30451	1.89	YES	NO
4 . CONTAINER ASSY									
FY 1995	ARMTEC DEFENSE PROD COACHELLA, CA	C/FP	IOC	AUG 95	JUN 96	45933	1.95	YES	NO

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1315-01-353-7620

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 81MM SMOKE RP

( C870 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF		QUANTITY	UNIT COST	SPECS		SPECS IF YES
					FIRST	DELIVERY			AVAIL	REV	WHEN
FY 1996		C/FP	IOC	SEP 96	APR 97		57388	2.30	YES		NO
FY 1997		C/FP	IOC	SEP 97	APR 98		30451	2.09	YES		NO
5 . NITROCELLULOSE WW GR A (LB)											
FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 95	APR 96		762	8.99	YES		NO
FY 1996	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	MAY 96	APR 97		952	9.08	YES		NO
FY 1997	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 97	APR 98		506	9.53	YES		NO
6 . IGN CTG M752A1											
FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 95	JUN 96		11652	12.59	YES		NO
FY 1996	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	MAY 96	JUN 97		14557	11.62	YES		NO
FY 1997	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 97	JUN 98		7725	10.07	YES		NO
7 . M9 FLAKE .010 (LB)											
FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	AUG 95	MAY 96		262	51.29	YES		NO
FY 1996	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	MAY 96	MAY 97		327	34.67	YES		NO
FY 1997	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 97	MAY 98		174	40.09	YES		NO

## PROCUREMENT HISTORY & PLANNING

DATE:

NSN: 1315-01-353-7620

P-1 ITEM NOMENCLATURE

( C870 )

CTG, 81MM SMOKE RP

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS IF YES REV REQD AVAIL
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REMARKS:

LINE ITEM 2 - \*\* PACING COMPONENT LINE ITEM 4 - TBS - To Be Selected



## ASSET DYNAMICS

DATE: 03/14/96

PROCUREMENT OBJECTIVE: 177984 DODIC: C870  
 ACQUISITION OBJECTIVE: 177984 DESCRIPTION: CTG, 81MM SMOKE RP  
 LEADTIME: 24

\*\*\*\*\*  
 30 SEPT 1993  
 \*\*\*\*\*

	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$383.9000	\$380.7700	\$346.4000
TOTAL PRICE:		\$0	\$4,301,000	\$5,330,000	\$2,573,000
FY BUDGET QTY:		0	11203	13997	7427
GAINS:					
FDP DELIVERIES:		0	0	0	11203
OTHER ( 93 & PRIOR)		111680	0	0	0
TOTAL:		111680	0	0	11203
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		18710	18710	18710	18710
WASHOUT:		78	356	299	242
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		18788	19066	19009	18952
NET CHANGE (+/-)		92892	-19066	-19009	-7749
ASSET POSITION:					
STD SERVICEABLE:	25886	118778	99712	80703	72954
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	25886	118778	99712	80703	72954
\$ VALUE:	\$0	\$0	\$38,279,439	\$30,729,232	\$25,271,183
RECOMMENDED BUY QTY	152098	59206	78272	97281	105030
\$ VALUE:	\$0	\$0	\$30,048,618	\$37,041,736	\$36,382,474
DEFICIENCY A.O.	152098	59206	78272	97281	105030
\$ VALUE:	\$0	\$0	\$30,048,618	\$37,041,736	\$36,382,474
PERCENT OF OBJECTIVE:	15%	67%	56%	45%	41%



## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/

P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01

CTG, 120MM TPCSDST

(RCN: 01-380-1)

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	15,960	13,063	4,655	14,037	0	10,210	0
COST (M\$)	0.000	10.313	8.714	2.545	8.143	0.000	6.623	0.000

This cartridge is a target practice round for use with the 120mm smooth bore M246 cannon mounted on the M1A1 tank. It is designed to duplicate employment of the kinetic energy service round (APFSDS-T). The reduced maximum range (7,500 meters) allows practice firing in short range training areas.

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund. This is a multi-year procurement with the US Army for FY95 - FY98.

NOTE: In FY95, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

Projected Qty	FY95	FY96	FY97
Consumption	13276	13276	13276
Loss	34	7	7
Gain	4310	13407	13787

This item is code "A".

120 MM TPCSDS-T M865 correlates to PANMC P-1 Number 27.

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	10.313	8.714	2.545	8.143	0.000	6.623	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	10.313	8.714	2.545	8.143	0.000	6.623	0.000

P-1 SHOPP LIST

ITEM NO.

Page

EXHIBIT 8-40

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE:  
NSN: 1315-01-305-9252  
( C785 )

P-1 ITEM NOMENCLATURE:  
CTG, 120MM TPCSDST

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST QM: EA	FY 1994 (QTY		0 )		FY 1995 (QTY		15960 )		FY 1996 (QTY		13063 )		FY 1997 (QTY		4655 )	
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY
HARDWARE																
1. COMPLETE ROUND				15960	524.01	8363			13063	524.01	6845		4655	490.92	2285	
SUBTOTAL						8363					6845				2285	
PRODUCT																
1. PRODUCTION ENGINEERING						327					212					
2. QUALITY ASSURANCE						13					10					3
3. ACCEPTANCE TESTING						388					79					
4. INTERIM TRANSPORTATION						51					26					5
5. INDUSTRIAL STOCK SUPPORT						499					291					
6. CAWCF GAIN/LOSS SURCHARGE						672					1251				252	
SUBTOTAL						1950					1869				260	
*****																
TOTAL P-1 LINE ITEM						646.16	10313				667.06	8714			546.63	2545

PROCUREMENT HISTORY & PLANNING

DATE:

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1315-01-305-9252

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 120MM TPCSDST

( C785 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES	REV WHEN	REQD AVAIL
1 . COMPLETE ROUND											
FY 1995	OLIN CORP	C/FP	IOC	FEB 95	JAN 96	9390	524.01	YES	NO		
	ST PETERSBURG, FL										
FY 1995	OLIN CORP	C/FP	IOC	FEB 95	FEB 96	6570	0.00	YES	NO		
	ST PETERSBURG, FL										
FY 1996	OLIN CORP	C/FP	IOC	JAN 96	JAN 97	7838	524.01	YES	NO		
	ST PETERSBURG, FL										
FY 1996	OLIN CORP	C/FP	IOC	JAN 96	APR 97	5225	0.00	YES	NO		
	ST PETERSBURG, FL										
FY 1997		C/FP	IOC	JAN 97	JAN 98	4655	490.92	YES	NO		

REMARKS:

LINE ITEM 1 - # ACTUAL CONTRACT PRICE FOR MULTIPLE PRODUCERS LINE ITEM 1 - TBS - TO BE SELECTED, ALLIANT/OLIN 60-40 SPLIT LINE ITEM 1 - MULTI-YEAR PROCUREMENT FY 95 - FY 98

DATE:

SUMMARY ITEM READINESS STUDY - EXHIBIT P20A TPC SEQUENCE

PM: AM  
RCN: 03013801

C785

P20A DISPLAY FOR DODIC:

ITEM: CTG, 120MM TPCSDS-T  
MODEL NO: M865

INVENTORY OBJECTIVE QUANTITIES

POST D-DAY CONSUMPTION

INITIAL ISSUE OF EQUIPMENT

PHASE I  
PHASE II  
PHASE III  
TOTAL

MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

6 GEO PREPOSITIONED

NALMEB

GITMO

WRSA

7 RESIDUAL

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

14,785

14,785

8,101

8,101

22,886

22,886

8-4

8-5

PAGE NO.

APPROPRIATION/BUDGET MARINE CORPS, BA 01										IP-1 ITEM NOMENCLATURE: CTG. 120MM TPCSDST										[DATE: ]									
PRODUCTION SCHEDULE (EXHIBIT P-21)										[DDIC: C785 ]										[FISCAL YEAR 1998 ]									
FISCAL YEAR 1997										FISCAL YEAR 1998										FISCAL YEAR 1999									
CALENDAR YEAR 1996										CALENDAR YEAR 1997										CALENDAR YEAR 1998									
FISCAL YEAR 1995										FISCAL YEAR 1996										FISCAL YEAR 1997									
PROGRAM QUANTITY										PROGRAM QUANTITY										PROGRAM QUANTITY									
FY 95P										FY 96										FY 97									
FY 98										FY 99										FY 00									
FY 00										FY 01										FY 02									
FY 03										FY 04										FY 05									
FY 06										FY 07										FY 08									
FY 09										FY 10										FY 11									
FY 12										FY 13										FY 14									
FY 15										FY 16										FY 17									
FY 18										FY 19										FY 20									
FY 21										FY 22										FY 23									
FY 24										FY 25										FY 26									
FY 27										FY 28										FY 29									
FY 30										FY 31										FY 32									
FY 33										FY 34										FY 35									
FY 36										FY 37										FY 38									
FY 39										FY 40										FY 41									
FY 42										FY 43										FY 44									
FY 45										FY 46										FY 47									
FY 48										FY 49										FY 50									
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FY 57										FY 58										FY 59									
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FY 69										FY 70										FY 71									
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FY 75										FY 76										FY 77									
FY 78										FY 79										FY 80									
FY 81										FY 82										FY 83									
FY 84										FY 85										FY 86									
FY 87										FY 88										FY 89									
FY 90										FY 91										FY 92									
FY 93										FY 94										FY 95									
FY 96										FY 97										FY 98									
FY 99										FY 00										FY 01									
FY 02										FY 03										FY 04									
FY 05										FY 06																			

[illegible]

EFFECT NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX. AFTER DAY	PROCUREMENT LEAD TIME						REMARKS: BY SYSTEMS CONTRACTORS. PRODUCED BY LINE SHARE 88657/883 LINE SHARE 800B CONTRACTORS AT IOWA AFB FOR FY94/95 198-99, NOT IN LEAN PROGRAM QUANTITY IN THOUSANDS
		MINIMUM	MAXIMUM		ADMIN LEAD TIME			PROD. LEAD TIME			
					PRI	OCT	AFT	OCT	INITIAL	REORDER	
1	ALLIANT TECH SVS. JOLIET, IL	7.20	9.00	24.00	5.00	6.00	6.00	6.00	10.00	16.00	
2	ALLIANT TECH SVS. JOLIET, IL	12.00	15.00	40.00	5.00	6.00	6.00	6.00	10.00	16.00	
3	OLIN MARION. MARION, IL	4.80	6.00	16.00	5.00	6.00	4.00	4.00	11.00	15.00	

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FAC	NO.	MANUFACTURER NAME & LOCATION	PROGRAM QUANTITY	FISCAL YEAR 1999												FISCAL YEAR 2000												FISCAL YEAR 2001														A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC	JD	JE	JF	JG	JH	JI	JJ	JK	JL	JM	JN	JO	JP	JQ	JR	JS	JT	JU	JV	JW	JX	JY	JZ	KA	KB	KC	KD	KE	KF	KG	KH	KI	KJ	KK	KL	KM	KN	KO	KP	KQ	KR	KS	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG	LH	LI	LJ	LK	LM	LN	LO	LP	LQ	LR	LS	LT	LU	LV	LW	LX	LY	LZ	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MU	MV	MW	MX	MY	MZ	NA	NB	NC	ND	NE	NF	NG	NH	NI	NJ	NK	NL	NM	NN	NO	NP	NQ	NR	NS	NT	NU	NV	NW	NX	NY	NZ	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OU	OV	OW	OX	OY	OZ	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PU	PV	PW	PX	PY	PZ	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	QU	QV	QW	QX	QY	QZ	RA	RB	RC	RD	RE	RF	RG	RH	RI	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RU	RV	RW	RX	RY	RZ	SA	SB	SC	SD	SE	SF	SG	SH	SI	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SU	SV	SW	SX	SY	SZ	TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TT	TU	TV	TW	TX	TY	TZ	UA	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UU	UV	UW	UX	UY	UZ	VA	VB	VC	VD	VE	VF	VG	VH	VI	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VU	VV	VW	VX	VY	VZ	WA	WB	WC	WD	WE	WF	WG	WH	WI	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WU	WV	WW	WX	WY	WZ	XA	XB	XC	XD	XE	XF	XG	XH	XI	XJ	XK	XL	XM	XN	XO	XP	XQ	XR	XS	XT	XU	XV	XW	XX	XY	XZ	YA	YB	YC	YD	YE	YF	YG	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YU	YV	YW	YX	YY	YZ	ZA	ZB	ZC	ZD	ZE	ZF	ZG	ZH	ZI	ZJ	ZK	ZL	ZM	ZN	ZO	ZP	ZQ	ZR	ZS	ZT	ZU	ZV	ZW	ZX	ZY	ZZ	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC
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P-1 SHOPPING LIST

ITEM NO.

8

PAGE NO.

890

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

(RCN: 01-379-1)

## P-1 NOMENCLATURE:

CTG, 120MM TPT

APPROPRIATION/  
PROCUREMENT, MARINE CORPS, BA 01

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	7,086	4,510	2,930	11,732	0	4,571	0
COST (M\$)	0.000	4.937	3.244	1.723	7.338	0.000	3.121	0.000

This cartridge is a target practice round used to simulate the ballistics for the M830 HEAT-MP-T round. This cartridge is fired from the 120mm smooth bore M256 cannon mounted on the M1A1 tank. The external appearance of the cartridge is similar to that of the M830 service round; however, it does not contain any explosives or shaped charge. The round is fired in the same manner as the service round and the flight characteristics are similar.

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund. This is a multi-year procurement with the US Army FY95 - FY98.

NOTE: In FY95, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

Projected Qty	FY95	FY96	FY97
Consumption	1496	5905	4939
Loss	5	0	0
Gain	0	5905	4939

This item is code "A".

120 MM TP-T M831 correlates to PANMC P-1 Number 28.

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	4.937	3.244	1.723	7.338	0.000	3.121	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	4.937	3.244	1.723	7.338	0.000	3.121	0.000

P-1 SHOPP LIST  
ITEM NO.

Page 9-1

EXHIBIT P-40

F	A	C	U	S	B	FISCAL YEAR 1996												FISCAL YEAR 1997												FISCAL YEAR 1998												T	A	L	R																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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						FY	FY	FY	FY	FY	FY	95P	95A	95B	95C	95D	95E	95F	95G	95H	95I	95J	95K	95L	95M	95N	95O	95P	95Q	95R	95S	95T	95U	95V	95W	95X	95Y	95Z	95AA	95AB	95AC					95AD	95AE	95AF	95AG	95AH	95AI	95AJ	95AK	95AL	95AM	95AN	95AO	95AP	95AQ	95AR	95AS	95AT	95AU	95AV	95AW	95AX	95AY	95AZ	95BA	95BB	95BC	95BD	95BE	95BF	95BG	95BH	95BI	95BJ	95BK	95BL	95BM	95BN	95BO	95BP	95BQ	95BR	95BS	95BT	95BU	95BV	95BW	95BX	95BY	95BZ	95CA	95CB	95CC	95CD	95CE	95CF	95CG	95CH	95CI	95CJ	95CK	95CL	95CM	95CN	95CO	95CP	95CQ	95CR	95CS	95CT	95CU	95CV	95CW	95CX	95CY	95CZ	95DA	95DB	95DC	95DD	95DE	95DF	95DG	95DH	95DI	95DJ	95DK	95DL	95DM	95DN	95DO	95DP	95DQ	95DR	95DS	95DT	95DU	95DV	95DW	95DX	95DY	95DZ	95EA	95EB	95EC	95ED	95EE	95EF	95EG	95EH	95EI	95EJ	95EK	95EL	95EM	95EN	95EO	95EP	95EQ	95ER	95ES	95ET	95EU	95EV	95EW	95EX	95EY	95EZ	95FA	95FB	95FC	95FD	95FE	95FF	95FG	95FH	95FI	95FJ	95FK	95FL	95FM	95FN	95FO	95FP	95FQ	95FR	95FS	95FT	95FU	95FV	95FW	95FX	95FY	95FZ	95GA	95GB	95GC	95GD	95GE	95GF	95GG	95GH	95GI	95GJ	95GK	95GL	95GM	95GN	95GO	95GP	95GQ	95GR	95GS	95GT	95GU	95GV	95GW	95GX	95GY	95GZ	95HA	95HB	95HC	95HD	95HE	95HF	95HG	95HH	95HI	95HJ	95HK	95HL	95HM	95HN	95HO	95HP	95HQ	95HR	95HS	95HT	95HU	95HV	95HW	95HX	95HY	95HZ	95IA	95IB	95IC	95ID	95IE	95IF	95IG	95IH	95II	95IJ	95IK	95IL	95IM	95IN	95IO	95IP	95IQ	95IR	95IS	95IT	95IU	95IV	95IW	95IX	95IY	95IZ	95JA	95JB	95JC	95JD	95JE	95JF	95JG	95JH	95JI	95JJ	95JK	95JL	95JM	95JN	95JO	95JP	95JQ	95JR	95JS	95JT	95JU	95JV	95JW	95JX	95JY	95JZ	95KA	95KB	95KC	95KD	95KE	95KF	95KG	95KH	95KI	95KJ	95KL	95KM	95KN	95KO	95KP	95KQ	95KR	95KS	95KT	95KU	95KV	95KW	95KX	95KY	95KZ	95LA	95LB	95LC	95LD	95LE	95LF	95LG	95LH	95LI	95LJ	95LK	95LL	95LM	95LN	95LO	95LP	95LQ	95LR	95LS	95LT	95LU	95LV	95LW	95LX	95LY	95LZ	95MA	95MB	95MC	95MD	95ME	95MF	95MG	95MH	95MI	95MJ	95MK	95ML	95MM	95MN	95MO	95MP	95MQ	95MR	95MS	95MT	95MU	95MV	95MW	95MX	95MY	95MZ	95NA	95NB	95NC	95ND	95NE	95NF	95NG	95NH	95NI	95NJ	95NK	95NL	95NM	95NN	95NO	95NP	95NQ	95NR	95NS	95NT	95NU	95NV	95NW	95NX	95NY	95NZ	95OA	95OB	95OC	95OD	95OE	95OF	95OG	95OH	95OI	95OJ	95OK	95OL	95OM	95ON	95OO	95OP	95OQ	95OR	95OS	95OT	95OU	95OV	95OW	95OX	95OY	95OZ	95PA	95PB	95PC	95PD	95PE	95PF	95PG	95PH	95PI	95PJ	95PK	95PL	95PM	95PN	95PO	95PP	95PQ	95PR	95PS	95PT	95PU	95PV	95PW	95PX	95PY	95PZ	95QA	95QB	95QC	95QD	95QE	95QF	95QG	95QH	95QI	95QJ	95QK	95QL	95QM	95QN	95QO	95QP	95QQ	95QR	95QS	95QT	95QU	95QV	95QW	95QX	95QY	95QZ	95RA	95RB	95RC	95RD	95RE	95RF	95RG	95RH	95RI	95RJ	95RK	95RL	95RM	95RN	95RO	95RP	95RQ	95RR	95RS	95RT	95RU	95RV	95RW	95RX	95RY	95RZ	95SA	95SB	95SC	95SD	95SE	95SF	95SG	95SH	95SI	95SJ	95SK	95SL	95SM	95SN	95SO	95SP	95SQ	95SR	95SS	95ST	95SU	95SV	95SW	95SX	95SY	95SZ	95TA	95TB	95TC	95TD	95TE	95TF	95TG	95TH	95TI	95TJ	95TK	95TL	95TM	95TN	95TO	95TP	95TQ	95TR	95TS	95TT	95TU	95TV	95TW	95TX	95TY	95TZ	95UA	95UB	95UC	95UD	95UE	95UF	95UG	95UH	95UI	95UJ	95UK	95UL	95UM	95UN	95UO	95UP	95UQ	95UR	95US	95UT	95UU	95UV	95UW	95UX	95UY	95UZ	95VA	95VB	95VC	95VD	95VE	95VF	95VG	95VH	95VI	95VJ	95VK	95VL	95VM	95VN	95VO	95VP	95VQ	95VR	95VS	95VT	95VU	95VV	95VW	95VX	95VY	95VZ	95WA	95WB	95WC	95WD	95WE	95WF	95WG	95WH	95WI	95WJ	95WK	95WL	95WM	95WN	95WO	95WP	95WQ	95WR	95WS	95WT	95WU	95WV	95WW	95WX	95WY	95WZ	95XA	95XB	95XC	95XD	95XE	95XF	95XG	95XH	95XI	95XJ	95XK	95XL	95XM	95XN	95XO	95XP	95XQ	95XR	95XS	95XT	95XU	95XV	95XW	95XX	95XY	95XZ	95YA	95YB	95YC	95YD	95YE	95YF	95YG	95YH	95YI	95YJ	95YK	95YL	95YM	95YN	95YO	95YP	95YQ	95YR	95YS	95YT	95YU	95YV	95YW	95YX	95YY	95YZ	95ZA	95ZB	95ZC	95ZD	95ZE	95ZF	95ZG	95ZH	95ZI	95ZJ	95ZK	95ZL	95ZM	95ZN	95ZO	95ZP

FAC NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX AFTER DAY	PROCUREMENT LEAD TIME				
		MINIMUM	185		MAXIMUM	ADMIN	LEAD TIME	PROD UCTION	AFTER OCT
1	ALLIANT TECH SYS, JOLIET, IL	7.20	9.00	24.00					
2	ALLIANT TECH SYS, JOLIET, IL	12.00	15.00	40.00	INITIAL	6.00	6.00	9.00	15.00
3	OLIN MARION, MARION, IL	4.80	6.00	16.00	REORDER	6.00	4.00	10.00	14.00

Page

REMARKS: PRODUCED BY SYSTEMS CONTRACTORS.  
M865 MB31 LINE SHARE  
PRODUCTION RATES ARE STAND ALONE  
BOTH CONTRACTORS LAB AT IOWA AVE  
F93-98 MULTY YEAR PROCUREMENT  
QUANTITY IN THOUSANDS

9-9

PRODUCTION SCHEDULE (EXHIBIT P-21)

DDIC: C784 I

IP-1 ITEM NOMENCLATURE: CTG, 12, TPT

APPROPRIATION/BUDGET: MARINE CORPS, BA 01

FACILITY	USER	SCHEDULE	PROGRAM QUANTITY				FISCAL YEAR 1999				FISCAL YEAR 2000				FISCAL YEAR 2001				A L R																				
			ACCP PRI TO AS				CALENDAR YEAR 1999				CALENDAR YEAR 2000				CALENDAR YEAR 2001																								
			FY 96	FY 97	FY 98	FY 99	FY 00	OCT 98	NOV 98	DEC 98	JAN 99	FEB 99	MAR 99	APR 99	MAY 99	JUN 99	JUL 99	AUG 99		SEP 99	OCT 99	NOV 99	DEC 99	JAN 00	FEB 00	MAR 00	APR 00	MAY 00	JUN 00	JUL 00	AUG 00	SEP 00							
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TOTAL MONTHLY PROD				328   9.00   9.01																																			

REMARKS: BY SYSTEMS CONTRACTORS.  
PRODUCED BY SYSTEMS CONTRACTORS.  
M865/883 LINE SHARE STAND ALONE  
PRODUCTION RATES ARE AT LOWA AND  
BOTH CONTRACTORS ARE AT LOWA AND  
FY98-99 MULTI YEAR PROCUREMENT 60/40 SPLIT  
QUANTITY IN THOUSANDS

PROCUREMENT LEAD TIME			
ADMIN	LEAD TIME	PRODUCTION	AFTER
PRI	OCT	OCT	OCT
INITIAL	6.00	6.00	9.00
REORDER	6.00	4.00	10.00

MONTHS TO MAX DAY			
MINIMUM	185	MAXIMUM	
7.20	9.00	24.00	5.00
12.00	15.00	40.00	5.00
4.80	6.00	16.00	5.00

Page

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----- PRODUCTION SCHEDULE (EXHIBIT P-21) -----

APPROPRIATION/BUDGET MARINE CORPS. BA 01

-----P-1 ITEM NOMP

120MM TPT

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SAC NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX. AFTER 60 DAY	REMARKS
		MINIMUM	MAXIMUM		
1	ALLIANT TECH SYS, JOLIET, IL	7.20	9.00	5.00	PRODUCED BY SYSTEMS CONTRACTORS. 18837 MB31 LINE SHARE PRODUCTION RATES ARE STAND ALONE BOTH CONTRACTORS LAB AT IOWA AAP FOR FY94/95 FY95-98 MULTY YEAR PROCUREMENT 60/40 SPLIT QUANTITY IN THOUSANDS
2	ALLIANT TECH SYS, JOLIET, IL	12.00	15.00	5.00	
3	OLIN MARION, MARION, IL	4.80	6.00	5.00	

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BUDGET ITEM JUSTIFICATION SHEET										DATE:	
(ALTCODE: 010001 )											
P-1 NOMENCLATURE:											
25MM, ALL TYPES											
FY 1994											
FY 1995											
FY 1996											
FY 1997											
FY 1998											
FY 1999											
FY 2000											
FY 2001											
QUANTITY											
COST (M\$)											
0.000											
8.863											
6.582											
4.807											
2.852											
5.400											
4.684											
3.721											
This P-40 combines all 25mm ammunition including high explosive (HE), and training practice (TP) rounds.											

NOTE: In FY95 & FY96, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

25 MM, All Types correlates to PANMC P-1 Number 31.

PROGRAM COST BREAK-DOWN										DATE
APPROPRIATION/										
PROCUREMENT MARINE CORPS, BA 01										
P-1 ITEM NOMENCLATURE										(010001)
25MM, ALL TYPES										
ELEMENT OF COST										
(TOTAL COST IN MILLIONS OF DOLLARS)										
IDEN	FY - 1994	FY - 1995	FY - 1996	FY - 1997						
CODE	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
CTG, 25MM APDST LINKED	0	0.000	147426	3.745	0	0.000	0	0.000	0	0.000
CTG, 25MM DUMMY LINKED	0	0.000	2692	0.088	0	0.000	0	0.000	0	0.000
CTG, 25MM HEIT LINKED	0	0.000	57062	1.940	0	0.000	0	0.000	0	0.000
CTG, 25MM TPDS-T LINKED	0	0.000	0	0.000	0	0.000	55913	0.961	55913	0.961
CTG, 25MM TPT LINKED	0	0.000	196022	3.090	405733	6.582	264954	3.846	264954	3.846
TOTAL VALUE		0.000		8.863		6.582		4.807		4.807

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01 CTG, 25MM APDST LINKED

RCN 01-297-1

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	147,426	0	0	0	0	0	0
COST (M\$)	0.000	3.745	0.000	0.000	0.000	0.000	0.000	0.000

The M791 cartridge is an armor piercing discarding sabot with tracer round. This cartridge is a fixed type, percussion primed 25mm ammunition, intended as the armor piercing service round to successfully engage light armored vehicles.

For FY95 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	0	0	0
Loss	1282	1278	1664
Gain	56207	129920	73713

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	3.745	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	3.745	0.000	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST

ITEM NO

Page

EXHIBIT

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1305-01-380-8960  
( A974 )

P-1 ITEM NOMENCLATURE:  
CTG, 25MM APDST LINKED

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST															
FY 1994 (QTY		0 )		FY 1995 (QTY		147426 )		FY 1996 (QTY		0 )		FY 1997 (QTY		0 )	
QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	
HARDWARE															
-----															
1. LOAD, ASSEMBLE, AND PACK (LAP)															
2. PALLET MK3-0															
SUBTOTAL															
PRODUCT															
-----															
1. PRODUCTION ENGINEERING															
2. QUALITY ASSURANCE															
3. ACCEPTANCE TESTING															
4. INTERIM TRANSPORTATION															
5. INDUSTRIAL STOCK SUPPORT															
6. CMCF GAIN/LOSS SURCHARGE															
SUBTOTAL															
*****															
TOTAL P-1 LINE ITEM															

10-4

DATE:

PROCUREMENT HISTORY & PLANNING

NSN: 1305-01-380-8960

P-1 ITEM NOMENCLATURE

( A974 )

CTG, 25MM APDST LINKED

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

APPROPRIATION/BUDGET ACTIVITY

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES	REV WHEN	REQD AVAIL
---------------------------	------------	------------------------------	----	---------------	------------------------------	----------	-----------	--------------	-----------------	-------------	---------------

1 . LOAD, ASSEMBLE, AND PACK (LAP)

FY 1995 OLIN MARION  
MARION, IL

IOC

MAY 95 JUL 96

C/FP

66330

23.99

YES

NO

2 . LOAD, ASSEMBLE, AND PACK (LAP)

FY 1995 ALLIANT TECH SYS  
JOLIET, IL

AMCCOM

MAY 95 JUL 96

C/FP

81096

20.33

YES

NO

3 . PALLET MK3-0

FY 1995 BEHLEN MFG  
COLUMBUS, NE

AMCCOM

AUG 95 OCT 95

C/FP

138

64.61

YES

NO

REMARKS:

LINE ITEM 2 - # ACTUAL CONTRACT PRICE FOR MULTIPLE PRODUCERS

DODIC: A974  
DESCRIPTION: CTG, 25MM APDST LINKED

\*\*\*\*\*  
 PROCUREMENT OBJECTIVE: 804983  
 ACQUISITION OBJECTIVE: 804983  
 LEADTIME : 18  
 \*\*\*\*\*  
 \*\*\*\*\*  
 30 SEPT 19

[illegible]

	FY 1996	FY 1997
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	FY 1994	FY 1995
--	---------	---------

\*\*\*\*\*  
30 SEPT 1993

BUY SUMMARY:	\$0.0000	\$20.9800	\$25.4000	\$0.0000	\$0.0000
UNIT PRICE:		\$2,358,000	\$3,745,000	\$0	\$0
TOTAL PRICE:		112414	147426	0	0
FY BUDGET QTY:					
GAINS:					
FDP DELIVERIES:		0	56207	129920	73713
OTHER ( 93 & PRIOR)		322025	0	0	0
TOTAL:		322025	56207	129920	73713
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		8898	0	0	0
PEACETIME:		343	1282	1278	1664
WASHOUT:		0	0	0	0
SALES:		0	0	0	0
OTHER:		9241	1282	1278	1664
TOTAL:		312784	-1282	128642	72049
NET CHANGE (+/-)					
ASSET POSITION:		427182	425900	554543	626592
STD SERVICEABLE:	114398	0	0	0	0
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	114398	427182	425900	554543	626592
TOTAL:				\$0	\$0
\$ VALUE:	\$0	\$8,962,274	\$10,817,867		
RECOMMENDED BUY QTY		377801	379083	250440	178391
\$ VALUE:	\$0	\$7,926,269	\$9,628,702	\$0	\$0
DEFICIENCY A.O.		377801	379083	250440	178391
\$ VALUE:	\$0	\$7,926,269	\$9,628,702	\$0	\$0
PERCENT OF OBJECTIVE:	14%	53%	53%	69%	78%

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01

CTG, 25MM DUMMY LINKED

RCN 01-301-1

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	2,692	0	0	0	0	0	0
COST (M\$)	0.000	0.088	0.000	0.000	0.000	0.000	0.000	0.000

This item is a dummy round used for functional testing and familiarization training with the 25mm machine gun.

For FY95 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	4025	4025	4025
Loss	121	109	101
Gain	0	1346	1346

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.088	0.000	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.088	0.000	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST

ITEM NO.

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EXHIBIT 40

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-01-212-2155

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 25MM DUMMY LINKED

( A967 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1995	ALLIANT TECH SYS JOLIET, IL	C/FP	AMCCOM	MAY 95	MAY 96	1480	19.97	YES	NO
2 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1995	OLIN MARION MARION, IL	C/FP	AMCCOM	MAY 95	MAY 96	1212	17.67	YES	NO
3 . PALLET MK3-0									
FY 1995	BEHLEN MFG COLUMBUS, NE	C/FP	AMCCOM	AUG 95	OCT 95	3	64.61	YES	NO

REMARKS:

LINE ITEM 2 - # ACTUAL CONTRACT PRICE FOR MULTIPLE PRODUCERS



# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03012091

A967

P20A DISPLAY FOR DODIC:

ITEM: CTG, 25MM DUMMY LINKED

MODEL NO: M794

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

TOTAL

PHASE I

PHASE II

PHASE III

1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

6 GEO PREPOSITIONED

NALMEB

GITMO

WRSA

7 RESIDUAL

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

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## BUDGET ITEM JUSTIFICATION SHEET

DATE

APPROPRIATION/  
PROCUREMENT, MARINE CORPS, BA 01

RCN 01-298-1

P-1 NOMENCLATURE:

CTG, 25MM HEIT LINKED

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	57,062	0	0	0	0	0	0
COST (M\$)	0.000	1.940	0.000	0.000	0.000	0.000	0.000	0.000

The M792 cartridge is a percussion primed 25mm, HEI-T (High Explosive Incendiary-Tracer) cartridge for use in a 25mm weapon system. The M792 will provide the high explosive ammunition to successfully engage unarmored ground targets.

For FY95 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	26450	26450	26450
Loss	3523	3433	3429
Gain	0	28531	28531

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	1.940	0.000	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	1.940	0.000	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST

ITEM NO.

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EXHIBIT 10

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1305-01-380-9884  
( A975 )

P-1 ITEM NOMENCLATURE:  
CTG, 25MM HEIT LINKED

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST QM: EA	FY 1994 (QTY		0 )		FY 1995 (QTY		57062 )		FY 1996 (QTY		0 )		FY 1997 (QTY		0 )	
	QTY	UNIT COST	TOTAL		QTY	UNIT COST	TOTAL		QTY	UNIT COST	TOTAL		QTY	UNIT COST	TOTAL	
<b>HARDWARE</b>																
1. LOAD, ASSEMBLE, AND PACK (LAP)					57062	16.46	939									
2. FUZE M758					59345	8.96	532									
3. PBXN-5 TYPE I, CLASS 3 (LB)					115	40.29	5									
4. *RDX TYPE II, CLASS 7 (LB)					9	5.00										
5. PBXN 5 TYPE II, CLASS 3 (LB)					4565	20.62	94									
6. PALLET MK3-0					54	64.61	3									
<b>SUBTOTAL</b>							1573									
<b>PRODUCT</b>																
1. PRODUCTION ENGINEERING							62									
2. QUALITY ASSURANCE							3									
3. ACCEPTANCE TESTING							73									
4. INTERIM TRANSPORTATION							10									
5. INDUSTRIAL STOCK SUPPORT							93									
6. CAWCF GAIN/LOSS SURCHARGE							126									
7. *GOVERNMENT FURNISHED MATERIAL																
<b>SUBTOTAL</b>							367									
*****																
TOTAL P-1 LINE ITEM							34.00	1940								

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-01-380-9884

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 25MM HEIT LINKED

( A975 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 .	LOAD, ASSEMBLE, AND PACK (LAP)								
		C/FP	IOC	MAY 95	MAY 96	57062	16.46	YES	NO
	FY 1995 OLIN MARION MARION, IL								
2 .	FUZE M758								
		C/FP	IOC	AUG 95	MAR 96	59345	8.96	YES	NO
	FY 1995 ALLIANT TECH SYS JOLIET, IL								
3 .	PBXN-5 TYPE I, CLASS 3 (LB)								
		SS/CPFF	IOC	MAR 95	DEC 95	115	40.29	YES	NO
	FY 1995 HOLSTON DEFENSE CORP KINGSPORT, TN								
4 .	*RDX TYPE II, CLASS 7 (LB)								
		N/A	N/A	N/A	N/A	9	5.00	YES	NO
	FY 1995 STOCK ISSUE								
5 .	PBXN 5 TYPE II, CLASS 3 (LB)								
		SS/CPFF	IOC	MAR 95	DEC 95	4565	20.62	YES	NO
	FY 1995 HOLSTON DEFENSE CORP KINGSPORT, TN								
6 .	PALLET MK3-0								
		C/FP	IOC	AUG 95	DEC 95	54	64.61	YES	NO
	FY 1995 BEHLEN MFG COLUMBUS, NE								

DATE:

PROCUREMENT HISTORY & PLANNING

NSN: 1305-01-380-9884

P-1 ITEM NOMENCLATURE

( A975 )

CTG, 25MM HEIT LINKED

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	NOW	REQD	AVAIL	SPECS AVAIL	SPECS IF YES REV WHEN
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REMARKS:

LINE ITEM 4 - # ACTUAL CONTRACT PRICE FOR MULTIPLE PRODUCERS

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 1432844		DODIC: A975		DESCRIPTION: CTG, 25MM HEIT LINKED	
ACQUISITION OBJECTIVE: 1432844					
LEADTIME: 18					
30 SEPT 1993		FY 1994	FY 1995	FY 1996	FY 1997
*****					
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$34.0000	\$0.0000	\$0.0000
TOTAL PRICE:		\$0	\$1,940,000	\$0	\$0
FY BUDGET QTY:		0	57062	0	0
*****					
GAINS:					
FDP DELIVERIES:		0	0	28531	28531
OTHER ( 93 & PRIOR)		875655	0	0	0
TOTAL:		875655	0	28531	28531
*****					
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		29695	26450	26450	26450
WASHOUT:		988	3523	3433	3429
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		30683	29973	29883	29879
*****					
NET CHANGE (+/-)					
		844972	-29973	-1352	-1348
*****					
ASSET POSITION:					
STD SERVICEABLE:	329416	1174388	1144415	1143062	1141714
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	329416	1174388	1144415	1143062	1141714
*****					
\$ VALUE:	\$0	\$0	\$38,910,096	\$0	\$0
*****					
RECOMMENDED BUY QTY		258456	288429	289782	291130
\$ VALUE:	1103428	\$0	\$9,806,600	\$0	\$0
*****					
DEFICIENCY A.O.		258456	288429	289782	291130
\$ VALUE:	1103428	\$0	\$9,806,600	\$0	\$0
*****					
PERCENT OF OBJECTIVE:	23%	82%	80%	80%	80%





BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01 CTG, 25MM TPDS-T LINKED

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	55,913	51,846	50,394	48,895	47,485
COST (M\$)	0.000	0.000	0.000	0.961	0.954	0.948	0.940	0.933

This training unique item is designed to ballistically match the firing characteristics of the M791 armor piercing cartridge.

For FY97 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	0	0	0
Loss	0	0	0
Gain	0	0	0

This item is code "A"

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.000	0.961	0.954	0.948	0.940	0.933
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.000	0.961	0.954	0.948	0.940	0.933

P-1 SHOPP LIST

ITEM NO.

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-01-350-5265

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 25MM TPDS-T LINKED

( A940 )

CONTRACT

METHOD  
& TYPE

DATE OF

AWARD

CONTRACTED  
BY

FIRST

DELIVERY

QUANTITY

UNIT COST

AVAIL

NOW

YES

NO

SPECS

IF YES

REV

WHEN

REQD

AVAIL

LINE ITEM/  
FISCAL YEAR

CONTRACTOR

DATE

DELIVERY

QUANTITY

UNIT COST

AVAIL

NOW

YES

NO

SPECS

IF YES

REV

WHEN

REQD

AVAIL

1 . COMPLETE ROUND

FY 1997

C/FP

IOC

MAR 97 MAY 98

55913

14.56

YES

NO

REMARKS:

LINE ITEM 1 - TBS - To Be Selected

----- PRODUCTION SCHEDULE (EXHIBIT P-21) -----

[illegible]

FAC NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX AFTER D DAY	
		MINIMUM	185		MAXIMUM
1	ALLIANT TECH SYS, JOLIET, IL	0.26	0.26	0.75	2.00
2	OLIN MARION, MARION, IL	0.33	0.33	0.94	2.00

PROCUREMENT LEAD TIME				
	ADMIN LEAD TIME		PROD- UCTION	
	PRI	AFT	OCT	OCT
INITIAL	4.00	6.00	14.00	20.00
REORDER	4.00	4.00	14.00	18.00

Page

REMARKS: QUANTITY IN MILLIONS

10-28



## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/  
PROCUREMENT, MARINE CORPS, BA 01

RCN 01-300-1

P-1 NOMENCLATURE:

CTG, 25MM TPT LINKED

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	196,022	405,733	264,954	127,172	291,779	240,104	174,943
COST (M\$)	0.000	3.090	6.582	3.846	1.898	4.452	3.744	2.788

The M793 cartridge is a percussion primed 25mm TP-T (Target Practice) for use in the 25mm weapon system. The M793 will provide the practice ammunition to ballistically match the HEI-T service ammunition.

This is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	306752	306752	306638
Loss	1570	645	17
Gain	0	98011	300878

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	3.090	6.582	3.846	1.898	4.452	3.744	2.788
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	3.090	6.582	3.846	1.898	4.452	3.744	2.788

P-1 SHOPP LIST  
ITEM NO.

Page

10-30

EXHIBIT 0

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE:  
NSN: 1305-01-380-5862  
( A976 )

P-1 ITEM NOMENCLATURE:  
CTG, 25MM TPT LINKED

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST QM: EA	FY 1994 (QTY		0 )		FY 1995 (QTY		196022 )		FY 1996 (QTY		405733 )		FY 1997 (QTY		264954 )	
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST
<b>HARDWARE</b>																
1. LOAD, ASSEMBLE, AND PACK (LAP)				196022	12.72	2494	405733	12.74	5170	264954	11.81	3130				
2. PALLET MK3-0				183	64.61	12										
<b>SUBTOTAL</b>						2506			5170			3130				
<b>PRODUCT</b>																
1. PRODUCTION ENGINEERING						98			160			143				
2. QUALITY ASSURANCE						4			7			4				
3. ACCEPTANCE TESTING						116			59			34				
4. INTERIM TRANSPORTATION						15			20			30				
5. INDUSTRIAL STOCK SUPPORT						150			221			124				
6. CAWCF GAIN/LOSS SURCHARGE						201			945			381				
<b>SUBTOTAL</b>						584			1412			716				
*****																
<b>TOTAL P-1 LINE ITEM</b>						15.76	3090	16.22	6582			14.52				

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-01-380-5862

PROCUREMENT AMMUNITION, MARINE CORPS, HA 01

CTG, 25MM TPT LINKED

( A976 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT		AWARD		DATE OF		UNIT COST		SPECS		SPECS IF YES	
		METHOD	BY	DATE	FIRST DELIVERY	QUANTITY	REV	NOW	REQD	WHEN	REV	WHEN	
1 . LOAD, ASSEMBLE, AND PACK (LAP)													
FY 1995	OLIN MARION MARION, IL	C/FP	IOC	MAY 95	APR 96	196022		12.72	YES	NO			
FY 1996		C/FP	IOC	MAR 96	MAY 97	405733		12.74	YES	NO			
FY 1997		C/FP	IOC	MAR 97	MAY 98	264954		11.81	YES	NO			

2 . PALLET MK3-0

FY 1995 BEHLEN MFG  
COLUMBUS, NE

IOC APR 95 FEB 96 183 64.61 YES NO

REMARKS:

LINE ITEM 2 - # ACTUAL CONTRACT PRICE FOR MULTIPLE PRODUCERS LINE ITEM 2 - TBS - To Be Selected

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

A976

ITEM: CTG, 25MM TP-T LINKED

PM: AM

MODEL NO: M793

RCN: 03013001

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"				
FORCES ASHORE				
FORCES AFLOAT				
SUBTOTAL				
2 MAJOR REGIONAL CONFLICT "B"				
FORCES ASHORE				
FORCES AFLOAT				
SUBTOTAL				
MRC TOTALS				
3 SPECIAL MISSION FORCES				
4 PEACETIME OPERATING STOCKS				
5 TRAINING REQUIREMENT	306,752			306,752
6 GEO PREPOSITIONED				
NALMEB				
GITMO				
WRSB				
7 RESIDUAL	168,084			168,084
8 REGENERATION				
APPROVED ACQUISITION OBJECTIVE	474,836			474,836
MPS BREAKOUT				
MPS 1				
MPS 2				
MPS 3				

1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

6 GEO PREPOSITIONED

NALMEB

GITMO

WRSB

7 RESIDUAL

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

10-33



## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 474836		DODIC: A976		DESCRIPTION: CTG, 25MM TPT LINKED		FY 1995		FY 1996		FY 1997	
ACQUISITION OBJECTIVE: 474836											
LEADTIME: 18											
30 SEPT 1993		FY 1994		FY 1995		FY 1996		FY 1997			
*****											
BUY SUMMARY:											
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$15.7600	\$16.2200	\$14.5200					
TOTAL PRICE:		\$0	\$0	\$3,090,000	\$6,582,000	\$3,846,000					
FY BUDGET QTY:		0	0	196022	405733	264954					
*****											
GAINS:											
FDP DELIVERIES:		0	0	0	98011	300878					
OTHER ( 93 & PRIOR)		271040	0	0	0	0					
TOTAL:		271040	0	0	98011	300878					
*****											
LOSSES:											
COMBAT:		0	0	0	0	0					
COMBAT ALLIES:		0	0	0	0	0					
PEACETIME:		155770	0	306752	306752	306638					
WASHOUT:		1228	0	1570	645	17					
SALES:		0	0	0	0	0					
OTHER:		0	0	0	0	0					
TOTAL:		156998	0	308322	307397	306655					
*****											
NET CHANGE (+/-)											
		114042	-308322	-209386	-5778						
*****											
ASSET POSITION:											
STD SERVICEABLE:	409444	523486	215163	5777	0	0					
UNSERVICEABLE:	0	0	0	0	0	0					
MAINTENANCE:	0	0	0	0	0	0					
SUBSTITUTE:	0	0	0	0	0	0					
TOTAL:	409444	523486	215163	5777	0	0					
*****											
\$ VALUE:	\$0	\$0	\$3,390,972	\$93,698	\$0	\$0					
*****											
RECOMMENDED BUY QTY											
\$ VALUE:	65392	-48650	259673	469059	474836	474836					
*****											
DEFICIENCY A.O.			\$4,092,443	\$7,608,141	\$6,894,619	\$6,894,619					
\$ VALUE:	65392	-48650	259673	469059	474836	474836					
*****											
PERCENT OF			\$4,092,443	\$7,608,141	\$6,894,619	\$6,894,619					
OBJECTIVE:	86%	110%	45%	1%	0%	0%					
*****											

FACILITY			PROGRAM QUANTITY			ACCP PRT TO			FISCAL YEAR 1996			FISCAL YEAR 1997			FISCAL YEAR 1998			FISCAL YEAR 1999			FISCAL YEAR 2000			FISCAL YEAR 2001			FISCAL YEAR 2002			FISCAL YEAR 2003			FISCAL YEAR 2004			FISCAL YEAR 2005			FISCAL YEAR 2006			FISCAL YEAR 2007			FISCAL YEAR 2008			FISCAL YEAR 2009			FISCAL YEAR 2010			FISCAL YEAR 2011			FISCAL YEAR 2012			FISCAL YEAR 2013			FISCAL YEAR 2014			FISCAL YEAR 2015			FISCAL YEAR 2016			FISCAL YEAR 2017			FISCAL YEAR 2018			FISCAL YEAR 2019			FISCAL YEAR 2020			FISCAL YEAR 2021			FISCAL YEAR 2022			FISCAL YEAR 2023			FISCAL YEAR 2024			FISCAL YEAR 2025			FISCAL YEAR 2026			FISCAL YEAR 2027			FISCAL YEAR 2028			FISCAL YEAR 2029			FISCAL YEAR 2030			FISCAL YEAR 2031			FISCAL YEAR 2032			FISCAL YEAR 2033			FISCAL YEAR 2034			FISCAL YEAR 2035			FISCAL YEAR 2036			FISCAL YEAR 2037			FISCAL YEAR 2038			FISCAL YEAR 2039			FISCAL YEAR 2040			FISCAL YEAR 2041			FISCAL YEAR 2042			FISCAL YEAR 2043			FISCAL YEAR 2044			FISCAL YEAR 2045			FISCAL YEAR 2046			FISCAL YEAR 2047			FISCAL YEAR 2048			FISCAL YEAR 2049			FISCAL YEAR 2050			FISCAL YEAR 2051			FISCAL YEAR 2052			FISCAL YEAR 2053			FISCAL YEAR 2054			FISCAL YEAR 2055			FISCAL YEAR 2056			FISCAL YEAR 2057			FISCAL YEAR 2058			FISCAL YEAR 2059			FISCAL YEAR 2060			FISCAL YEAR 2061			FISCAL YEAR 2062			FISCAL YEAR 2063			FISCAL YEAR 2064			FISCAL YEAR 2065			FISCAL YEAR 2066			FISCAL YEAR 2067			FISCAL YEAR 2068			FISCAL YEAR 2069			FISCAL YEAR 2070			FISCAL YEAR 2071			FISCAL YEAR 2072			FISCAL YEAR 2073			FISCAL YEAR 2074			FISCAL YEAR 2075			FISCAL YEAR 2076			FISCAL YEAR 2077			FISCAL YEAR 2078			FISCAL YEAR 2079			FISCAL YEAR 2080			FISCAL YEAR 2081			FISCAL YEAR 2082			FISCAL YEAR 2083			FISCAL YEAR 2084			FISCAL YEAR 2085			FISCAL YEAR 2086			FISCAL YEAR 2087			FISCAL YEAR 2088			FISCAL YEAR 2089			FISCAL YEAR 2090			FISCAL YEAR 2091			FISCAL YEAR 2092			FISCAL YEAR 2093			FISCAL YEAR 2094			FISCAL YEAR 2095			FISCAL YEAR 2096			FISCAL YEAR 2097			FISCAL YEAR 2098			FISCAL YEAR 2099			FISCAL YEAR 2100			FISCAL YEAR 2101			FISCAL YEAR 2102			FISCAL YEAR 2103			FISCAL YEAR 2104			FISCAL YEAR 2105			FISCAL YEAR 2106			FISCAL YEAR 2107			FISCAL YEAR 2108			FISCAL YEAR 2109			FISCAL YEAR 2110			FISCAL YEAR 2111			FISCAL YEAR 2112			FISCAL YEAR 2113			FISCAL YEAR 2114			FISCAL YEAR 2115			FISCAL YEAR 2116			FISCAL YEAR 2117			FISCAL YEAR 2118			FISCAL YEAR 2119			FISCAL YEAR 2120			FISCAL YEAR 2121			FISCAL YEAR 2122			FISCAL YEAR 2123			FISCAL YEAR 2124			FISCAL YEAR 2125			FISCAL YEAR 2126			FISCAL YEAR 2127			FISCAL YEAR 2128			FISCAL YEAR 2129			FISCAL YEAR 2130			FISCAL YEAR 2131			FISCAL YEAR 2132			FISCAL YEAR 2133			FISCAL YEAR 2134			FISCAL YEAR 2135			FISCAL YEAR 2136			FISCAL YEAR 2137			FISCAL YEAR 2138			FISCAL YEAR 2139			FISCAL YEAR 2140			FISCAL YEAR 2141			FISCAL YEAR 2142			FISCAL YEAR 2143			FISCAL YEAR 2144			FISCAL YEAR 2145			FISCAL YEAR 2146			FISCAL YEAR 2147			FISCAL YEAR 2148			FISCAL YEAR 2149			FISCAL YEAR 2150			FISCAL YEAR 2151			FISCAL YEAR 2152			FISCAL YEAR 2153			FISCAL YEAR 2154			FISCAL YEAR 2155			FISCAL YEAR 2156			FISCAL YEAR 2157			FISCAL YEAR 2158			FISCAL YEAR 2159			FISCAL YEAR 2160			FISCAL YEAR 2161			FISCAL YEAR 2162			FISCAL YEAR 2163			FISCAL YEAR 2164			FISCAL YEAR 2165			FISCAL YEAR 2166			FISCAL YEAR 2167			FISCAL YEAR 2168			FISCAL YEAR 2169			FISCAL YEAR 2170			FISCAL YEAR 2171			FISCAL YEAR 2172			FISCAL YEAR 2173			FISCAL YEAR 2174			FISCAL YEAR 2175			FISCAL YEAR 2176			FISCAL YEAR 2177			FISCAL YEAR 2178			FISCAL YEAR 2179			FISCAL YEAR 2180			FISCAL YEAR 2181			FISCAL YEAR 2182			FISCAL YEAR 2183			FISCAL YEAR 2184			FISCAL YEAR 2185			FISCAL YEAR 2186			FISCAL YEAR 2187			FISCAL YEAR 2188			FISCAL YEAR 2189			FISCAL YEAR 2190			FISCAL YEAR 2191			FISCAL YEAR 2192			FISCAL YEAR 2193			FISCAL YEAR 2194			FISCAL YEAR 2195			FISCAL YEAR 2196			FISCAL YEAR 2197			FISCAL YEAR 2198			FISCAL YEAR 2199			FISCAL YEAR 2200			FISCAL YEAR 2201			FISCAL YEAR 2202			FISCAL YEAR 2203			FISCAL YEAR 2204			FISCAL YEAR 2205			FISCAL YEAR 2206			FISCAL YEAR 2207			FISCAL YEAR 2208			FISCAL YEAR 2209			FISCAL YEAR 2210			FISCAL YEAR 2211			FISCAL YEAR 2212			FISCAL YEAR 2213			FISCAL YEAR 2214			FISCAL YEAR 2215			FISCAL YEAR 2216			FISCAL YEAR 2217			FISCAL YEAR 2218			FISCAL YEAR 2219			FISCAL YEAR 2220			FISCAL YEAR 2221			FISCAL YEAR 2222			FISCAL YEAR 2223			FISCAL YEAR 2224			FISCAL YEAR 2225			FISCAL YEAR 2226			FISCAL YEAR 2227			FISCAL YEAR 2228			FISCAL YEAR 2229			FISCAL YEAR 2230			FISCAL YEAR 2231			FISCAL YEAR 2232			FISCAL YEAR 2233			FISCAL YEAR 2234			FISCAL YEAR 2235			FISCAL YEAR 2236			FISCAL YEAR 2237			FISCAL YEAR 2238			FISCAL YEAR 2239			FISCAL YEAR 2240			FISCAL YEAR 2241			FISCAL YEAR 2242			FISCAL YEAR 2243			FISCAL YEAR 2244			FISCAL YEAR 2245			FISCAL YEAR 2246			FISCAL YEAR 2247			FISCAL YEAR 2248			FISCAL YEAR 2249			FISCAL YEAR 2250			FISCAL YEAR 2251			FISCAL YEAR 2252			FISCAL YEAR 2253			FISCAL YEAR 2254			FISCAL YEAR 2255			FISCAL YEAR 2256			FISCAL YEAR 2257		
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DATE:

PRODUCTION SCHEDULE (EXHIBIT P-21)

ID001C: A976

FISCAL YEAR 2001

FISCAL YEAR 2000

FISCAL YEAR 1999

FISCAL YEAR 1998

FISCAL YEAR 1997

FISCAL YEAR 1996

FISCAL YEAR 1995

FISCAL YEAR 1994

FISCAL YEAR 1993

APPROPRIATION/BUDGET MARINE CORPS, BA 01											
P-1 ITEM NOMENCLATURE: CTG, 25MM TPT LINKED											
CALENDAR YEAR 2001											
CALENDAR YEAR 2000											
CALENDAR YEAR 1999											
CALENDAR YEAR 1998											
CALENDAR YEAR 1997											
CALENDAR YEAR 1996											
CALENDAR YEAR 1995											
CALENDAR YEAR 1994											
CALENDAR YEAR 1993											
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CALENDAR YEAR 1908											
CALENDAR YEAR 1907											
CALENDAR YEAR 1906											
CALENDAR YEAR 1905											
CALENDAR YEAR 1904											
CALENDAR YEAR 1903											
CALENDAR YEAR 1902											
CALENDAR YEAR 1901											

BUDGET ITEM JUSTIFICATION SHEET									
DATE:									
APPROPRIATION/	P-1 NOMENCLATURE:								
PROCUREMENT, MARINE CORPS, BA 01	9MM, ALL TYPES								
									(ALTCODE: 014501 )
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	
QUANTITY									
COST (M\$)		1.615	2.916	2.793	2.044	2.698	2.088	1.260	
This P-40 combines all 9mm rounds.									

NOTE: In FY95 & FY96, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

9 MM, All Types correlates to PANMC P-1 Number 32.

PROGRAM COST BREAK-DOWN										DATE
APPROPRIATION/ PROCUREMENT MARINE CORPS, BA 01	P-1 ITEM NOMENCLATURE 9MM, ALL TYPES (014501)									
ELEMENT OF COST	(TOTAL COST IN MILLIONS OF DOLLARS)									
	IDEN	FY - 1994	FY - 1995	FY - 1996	FY - 1997					
	CODE									
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
CTG, 9MM BALL		0	0.000	0	0.000	18017900	2.698	19824995	2.523	
CTG, 9MM DUMMY FOR SMAW		0	0.000	0	0.000	0	0.000	0	0.000	
CTG, 9MM FOR SMAW		0	0.000	183916	1.615	0	0.000	0	0.000	
CTG, 9MM TPT FOR AT4		0	0.000	0	0.000	372847	0.218	526682	0.270	
TOTAL VALUE			0.000		1.615		2.916		2.793	

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01 CTG, 9MM BALL

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	18,017,900	19,824,995	15,621,221	19,803,931	15,277,092	9,019,071
COST (M\$)	0.000	0.000	2.698	2.523	2.044	2.649	2.088	1.260

This cartridge is the standard ball service round for use in the 9mm handgun.

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	15895099	15895099	15895099
Loss	64690	50620	11792
Gain	11269779	3002983	18319083

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	2.384	2.066	2.044	2.066	2.088	1.260
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	2.698	2.523	2.044	2.649	2.088	1.260

P-1 SHOPP LIST

ITEM NO.

Page

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EXHIBIT P-40

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE:  
NSN: 1305-01-172-9558  
( A363 )

P-1 ITEM NOMENCLATURE:  
CTG, 9MM BALL

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

FY 1994 (QTY 0 ) FY 1995 (QTY 0 ) FY 1996 (QTY 18017900 ) FY 1997 (QTY 19824995 )									
ELEMENT OF COST	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
QW: EA									
HARDWARE									
-----									
1. LOAD, ASSEMBLE, AND PACK (LAP)									
2. BOX METAL M2A1									
SUBTOTAL						2119			2053
PRODUCT									
-----									
1. PRODUCTION ENGINEERING						66			94
2. QUALITY ASSURANCE						3			3
3. ACCEPTANCE TESTING						24			22
4. INTERIM TRANSPORTATION						8			20
5. INDUSTRIAL STOCK SUPPORT						91			81
6. CAWCF GAIN/LOSS SURCHARGE						387			250
SUBTOTAL						579			470
*****									
TOTAL P-1 LINE ITEM						0.15	2698	0.13	2523

DATE:

PROCUREMENT HISTORY & PLANNING

NSN: 1305-01-172-9558

P-1 ITEM NOMENCLATURE

( A363 )

APPROPRIATION/BUDGET ACTIVITY

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 9MM BALL

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES	REV WHEN REQD	AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)											
FY 1996	OLIN CORP EAST ALTON, IL	C/FP	IOC	JAN 96	JUL 96	18017900	0.11	YES	NO		
FY 1997	OLIN CORP EAST ALTON, IL	C/FP	IOC	JAN 97	JUL 97	19824995	0.10	YES	NO		
2 . BOX METAL M2A1											
FY 1996		C/FP	IOC	MAY 96	JUN 96	18379	5.62	YES	NO		
FY 1997		C/FP	IOC	MAY 97	JUN 97	20222	5.07	YES	NO		

REMARKS:

LINE ITEM 2 - TBS - To Be Selected

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Page

EXHIBIT P-5A



# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03011321

P20A DISPLAY FOR DODIC: A363

ITEM: CTG, 9MM BALL  
MODEL NO: M882

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE		32,599	200,409	56,499	289,507
FORCES AFLOAT				51,977	51,977
SUBTOTAL					341,484
2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE		48,201	256,146	59,371	363,718
FORCES AFLOAT				40,250	40,250
SUBTOTAL					403,968
MRC TOTALS					745,452
3 SPECIAL MISSION FORCES	324				324
4 PEACETIME OPERATING STOCKS	916,110				916,110
5 TRAINING REQUIREMENT	15,895,099				15,895,099
6 GEO PREPOSITIONED					
NALMEB	38,000				38,000
GI TMO	6,723				6,723
W RSA					
7 RESIDUAL	8,828,433				8,828,433
8 REGENERATION					
APPROVED ACQUISITION OBJECTIVE	25,684,689	80,800	456,555	208,097	26,430,141

## MPS BREAKOUT

MPS 1	44,000	44,000
MPS 2	44,000	44,000
MPS 3	44,000	44,000

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## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 26430141  
 ACQUISITION OBJECTIVE: 26430141  
 LEADTIME 10

DODIC: A363  
 DESCRIPTION: CTG, 9MM BALL

\*\*\*\*\* 30 SEPT 1993 \*\*\*\*\* FY 1994 \*\*\*\*\* FY 1995 \*\*\*\*\* FY 1996 \*\*\*\*\* FY 1997 \*\*\*\*\*

BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.1100	\$0.0000	\$0.1500	\$0.1300
TOTAL PRICE:		\$1,521,000	\$0	\$2,698,000	\$2,523,000
FY BUDGET QTY:		13523735	0	18017900	19824995
GAINS:					
FDP DELIVERIES:		2253956	11269779	3002983	18319083
OTHER ( 93 & PRIOR)		0	0	0	0
TOTAL:		2253956	11269779	3002983	18319083
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		16149595	15895099	15895099	15895099
WASHOUT:		106697	64690	50620	11792
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		16256292	15959789	15945719	15906891
NET CHANGE (+/-)		-14002337	-4690010	-12942736	2412191
ASSET POSITION:					
STD SERVICEABLE:	35565782	21563445	16873435	3930699	6342891
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	35565782	21563445	16873435	3930699	6342891
\$ VALUE:	\$0	\$2,371,979	\$0	\$589,605	\$824,576
RECOMMENDED BUY QTY					
\$ VALUE:	-9135641	4866696	9556706	22499442	20087250
	\$0	\$535,337	\$0	\$3,374,916	\$2,611,343
DEFICIENCY A.O.					
\$ VALUE:	-9135641	4866696	9556706	22499442	20087250
	\$0	\$535,337	\$0	\$3,374,916	\$2,611,343
PERCENT OF OBJECTIVE:	135%	82%	64%	15%	24%



[illegible]

NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX AFTER D DAY	PROCUREMENT LEAD TIME						REMARKS: QUANTITY IN MILLIONS
		MINIMUM	185		ADMIN LEAD TIME		PROD. LEAD TIME				
					PRI	OCT	AFT	OCT	PRODUCTION	OCT	
					INITIAL	6.00	4.00	6.00	10.00		
					REORDER	6.00	4.00	6.00	10.00		

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:  
 PROCUREMENT, MARINE CORPS, BA 01 CTIG, 9MM FOR SMAW

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	183,916	0	0	0	0	0	0
COST (M\$)	0.000	1.615	0.000	0.000	0.000	0.000	0.000	0.000

The spotting round consists of a 9mm bullet crimped into a 7.62 standard Nato case. The propellant is contained within a primed Winchester Hornet case. The trajectory and time of flight of the bullet approximate those of the SMAW Rocket. These rounds are used for training and to enhance the gunners accuracy with the SMAW High Explosive Anti-Armor Rocket, and Dual Mode Rocket System.

Projected Qty	FY95	FY96	FY97
Consumption	86752	57825	57825
Loss	105	156	790
Gain	103956	269218	122611

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	1.615	0.000	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	1.615	0.000	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST  
 ITEM NO.

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EXHIBIT B-40

AMMUNITION COST ANALYSTS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1305-01-157-2460  
( AX11 )

P-1 ITEM NOMENCLATURE:  
CTG, 9MM FOR SMAW

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST QM: EA	FY 1994 (QTY		0 )		FY 1995 (QTY		183916 )		FY 1996 (QTY		0 )		FY 1997 (QTY		0 )	
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	
HARDWARE																
----- 1. COMPLETE ROUND				183916	7.12	1310										
SUBTOTAL						1310										
PRODUCT																
----- 1. PRODUCTION ENGINEERING						51										
2. QUALITY ASSURANCE						2										
3. ACCEPTANCE TESTING						61										
4. INTERIM TRANSPORTATION						8										
5. INDUSTRIAL STOCK SUPPORT						78										
6. CACF GAIN/LOSS SURCHARGE						105										
SUBTOTAL						305										
*****																
TOTAL P-1 LINE ITEM					8.78	1615										
*****																

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-01-157-2460

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 9MM FOR SMAW

( AX11 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
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1 . COMPLETE ROUND

FY 1995 PENN AMMO  
DELMONT, PA

C/FP

IOC

AUG 95 SEP 96

183916

7.12

YES

NO

REMARKS:

Page

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EXHIBIT P

SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03013051

AX11

ITEM: CTG, 9MM FOR SMAW  
MODEL NO: MK217-0

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT

TOTAL

PHASE I

POST D-DAY CONSUMPTION

PHASE II

PHASE III

TOTAL

1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

86,752

86,752

6 GEO PREPOSITIONED

NALMEB

GITMO

WRSA

7 RESIDUAL

47,535

47,535

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

134,287

134,287

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

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## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 134287 DODIC: AX11  
 ACQUISITION OBJECTIVE: 134287 DESCRIPTION: CTG, 9MM FOR SMAW  
 LEADTIME: 20

	30 SEPT 1993	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$6.1200	\$8.7800	\$0.0000	\$0.0000
TOTAL PRICE:		\$1,910,000	\$1,615,000	\$0	\$0
FY BUDGET QTY:		311869	183916	0	0
GAINS:					
FDP DELIVERIES:		0	103956	269218	122611
OTHER ( 93 & PRIOR)		0	0	0	0
TOTAL:		0	103956	269218	122611
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		43456	86752	57825	57825
WASHOUT:		236	105	156	790
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		43692	86857	57981	58615
NET CHANGE (+/-)		-43692	17100	211237	63996
ASSET POSITION:					
STD SERVICEABLE:	78615	34923	52023	263260	327256
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	78615	34923	52023	263260	327256
\$ VALUE:	\$0	\$213,730	\$456,759	\$0	\$0
RECOMMENDED BUY QTY	55672	99364	82264	-128973	-192969
\$ VALUE:	\$0	\$608,107	\$722,280	\$0	\$0
DEFICIENCY A.O.	55672	99364	82264	-128973	-192969
\$ VALUE:	\$0	\$608,107	\$722,280	\$0	\$0
PERCENT OF OBJECTIVE:	59%	26%	39%	196%	244%



## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## P-1 NOMENCLATURE:

CTG, 9MM TPT FOR AT4

## APPROPRIATION/

PROCUREMENT, MARINE CORPS, BA 01

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	372,847	526,682	0	90,928	0	0
COST (M\$)	0.000	0.000	0.218	0.270	0.000	0.049	0.000	0.000

This cartridge is a 9mm tracer projectile with a trajectory and time of flight that is similar to that of the tactical AT-4 projectile. These rounds are used in the AT-4 Practice Launcher which is similar in appearance and operation to the tactical AT-4. They are used to enhance the gunners accuracy and safety.

For FY97 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

	FY95	FY96	FY97
Projected Qty	382617	382617	382617
Consumption	2631	1476	323
Loss	0	0	248565
Gain			

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.218	0.270	0.000	0.049	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.218	0.270	0.000	0.049	0.000	0.000

P-1 SHOPP LIST

ITEM NO.

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EXHIBIT B-40

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE:  
NSN: 1305-01-307-5536  
( A358 )

P-1 ITEM NOMENCLATURE:  
CTG, 9MM TPT FOR AT4

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST		FY 1994 (QTY		0 )		FY 1995 (QTY		0 )		FY 1996 (QTY		372847 )		FY 1997 (QTY		526682 )	
QM: EA		QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	
HARDWARE																	
-----																	
1. COMPLETE ROUND																	
											372847	0.46	171		526682	0.42	220
SUBTOTAL													171				220
PRODUCT																	
-----																	
1. PRODUCTION ENGINEERING													5				10
2. QUALITY ASSURANCE																	
3. ACCEPTANCE TESTING													2				2
4. INTERIM TRANSPORTATION													1				2
5. INDUSTRIAL STOCK SUPPORT													8				9
6. CAWCF GAIN/LOSS SURCHARGE													31				27
SUBTOTAL													47				50
*****																	
TOTAL P-1 LINE ITEM																	
												0.58	218		0.51	270	

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1305-01-307-5536

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 9MM TPT FOR AT4

( A358 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS REV	SPECS IF YES WHEN REQD AVAIL
---------------------------	------------	------------------------------	------------------	---------------	------------------------------	----------	-----------	--------------	--------------	---------------------------------------

1 . COMPLETE ROUND

FY 1996

C/FP IOC MAY 96 JAN 97 372847 0.46 YES NO

FY 1997

C/FP IOC MAR 97 JAN 98 526682 0.42 YES NO

REMARKS:

LINE ITEM 1 - TBS - To Be Selected

SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03013311

ITEM: CTG, 9MM TP-T FOR AT-4  
MODEL NO: M939

A358

P20A DISPLAY FOR DODIC:

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

TOTAL

PHASE I

PHASE II

PHASE III

TOTAL

1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

6 GEO PREPOSITIONED

NALMEB

GITMO

WRSA

7 RESIDUAL

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

11-19

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 592270 DODIC: A358  
ACQUISITION OBJECTIVE: 592270 DESCRIPTION: CTG, 9MM TPT FOR AT4  
LEADTIME: 16

\*\*\*\*\*

	30 SEPT 1993	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$0.5800	\$0.5100
TOTAL PRICE:		\$0	\$0	\$218,000	\$270,000
FY BUDGET QTY:		0	0	372847	526682
GAINS:					
FDP DELIVERIES:		0	0	0	248565
OTHER ( 93 & PRIOR)		0	0	0	0
TOTAL:		0	0	0	248565
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		240718	382617	382617	382617
WASHOUT:		3364	2631	1476	323
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		244082	385248	384093	382940
NET CHANGE (+/-)		-244082	-385248	-384093	-134376
ASSET POSITION:					
STD SERVICEABLE:	1121193	877111	491863	107770	0
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	1121193	877111	491863	107770	0
\$ VALUE:	\$0	\$0	\$0	\$62,507	\$0
RECOMMENDED BUY QTY					
\$ VALUE:	-528923	-284841	100407	484500	592270
	\$0	\$0	\$0	\$281,010	\$302,058
DEFICIENCY A.O.					
\$ VALUE:	-528923	-284841	100407	484500	592270
	\$0	\$0	\$0	\$281,010	\$302,058
PERCENT OF OBJECTIVE:	189%	148%	83%	18%	0%

-----  
IDODIC: A358

PRODUCTION MODULE (EXHIBIT P-21)

IP-1 ITEM NOMENCLATURE: CTG, 900T FOR AT4

-----  
IDODIC: A358

[illegible]

FAC NO.		MANUFACTURER NAME & LOCATION		PRODUCTION RATES		MONTHS TO MAX AFTER DAY	
				MINIMUM	185	MAXIMUM	
1		BLOUNT, INC., LEWISTON, ID		0.50	2.40	6.00	0.00

							REMARKS: QUANTITY IN MILLIONS		
				PROCUREMENT LEAD TIME					
				ADMIN LEAD TIME		PROD-UCT		AFTER OCT	
				PRI	OCT/AFT	OCT			
INITIAL				6.00	6.00	10.00	16.00		
REORDER				6.00	6.00	10.00	16.00		

Page \_\_\_\_\_

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BUDGET ITEM JUSTIFICATION SHEET											
DATE:											
(ALTCODE: 015451 )											
P-1 NOMENCLATURE:											
PROCUREMENT, MARINE CORPS, BA 01											
GRENADERS, ALL TYPES											
FY 1994											
FY 1995											
FY 1996											
FY 1997											
FY 1998											
FY 1999											
FY 2000											
FY 2001											
QUANTITY											
COST (M\$)											
0.000											
0.000											
1.149											
0.686											
3.595											
3.849											
2.751											
3.217											
This P-40 combines all Smoke grenades, Fragmentation grenades and Pyrotechnics.											

NOTE: In FY95 & FY96, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

Grenades, All Types correlates to PANMC P-1 Number 33.

PROGRAM COST BREAK-DOWN									
DATE									
P-1 ITEM NOMENCLATURE									
(015451)									
GRENADERS, ALL TYPES									
(TOTAL COST IN MILLIONS OF DOLLARS)									
FY - 1994 FY - 1995 FY - 1996 FY - 1997									
QTY TOTAL COST QTY TOTAL COST QTY TOTAL COST QTY TOTAL COST									
FUZE, HAND GRENADE PRACTICE									
GRENAD, HAND SMOKE GREEN									
GRENAD, HAND SMOKE HC									
GRENAD, HAND SMOKE VIOLET									
GRENAD, HAND SMOKE YELLOW									
SIGNAL, ILLUM GROUND GSC									
TOTAL VALUE									

12

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ (RCN: 012751)  
 PROCUREMENT, MARINE CORPS, BA 01  
 FUZE, HAND GRENADE PRAC

## P-1 NOMENCLATURE:

FUZE, HAND GRENADE PRAC

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	142,549	0	454,470	0	0	0
COST (M\$)	0.000	0.000	0.449	0.000	1.112	0.000	0.000	0.000

The M228 fuze consists of a primer, striker, delay element, detonator, safety pin and safety ring. This item is used in combination with the M69 practice grenade body. This item is used for familiarization and to simulate training with the M67 fragmentation grenade.

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

	FY95	FY96	FY97
Projected Qty			
Consumption	378645	378648	378645
Loss	3337	2192	1461
Gain	411691	137230	106912

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.449	0.000	1.112	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.449	0.000	1.112	0.000	0.000	0.000

P-1 SHOPP LIST  
 ITEM NO.

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

APPROPRIATION BUDGET ACTIVITY:

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

P-1 ITEM NOMENCLATURE:  
FUZE, HAND GRENADE PRACT

DATE:

( G878 )

FY 1994		FY 1995		FY 1996		FY 1997	
QTY	UNIT COST	QTY	UNIT COST	QTY	UNIT COST	QTY	UNIT COST
ELEMENT OF COST		TOTAL		TOTAL		TOTAL	
QM: EA		TOTAL		TOTAL		TOTAL	
HARDWARE							
1. COMPLETE ROUND				142549		2.47	
SUBTOTAL						353	
PRODUCT							
1. PRODUCTION ENGINEERING						11	
2. QUALITY ASSURANCE						4	
3. ACCEPTANCE TESTING						1	
4. INTERIM TRANSPORTATION						16	
5. INDUSTRIAL STOCK SUPPORT						64	
6. CAWCF GAIN/LOSS SURCHARGE						96	
SUBTOTAL						3.15	
*****		*****		*****		*****	
TOTAL P-1 LINE ITEM				449		*****	

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

FUZE, HAND GRENADE PRACTICE

( 6878 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS AVAIL	SPECS IF YES REV WHEN REQD AVAIL
1 . COMPLETE ROUND										
FY 1996	UNKNOWN	C/FP	IOC	MAR 96	DEC 96	142549	2.47	YES	NO	

REMARKS:

LINE ITEM 1 - TBS - To Be Selected

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 710504 DODIC: G878		DESCRIPTION: FUZE, HAND GRENADE PRAC		FY 1993		FY 1994		FY 1995		FY 1996		FY 1997	
ACQUISITION OBJECTIVE: 710504		LEADTIME: 15		30 SEPT 1993									
BUY SUMMARY:													
UNIT PRICE:	\$0.0000		\$1.3900		\$0.0000		\$3.1500		\$0.0000		\$0.0000		
TOTAL PRICE:			\$763,000		\$0		\$449,000		\$0		\$0		
FY BUDGET QTY:			548921		0		142549		0		0		
GAINS:													
FDP DELIVERIES:			0		411691		137230		106912		0		
OTHER ( 93 & PRIOR)			0		0		0		0		0		
TOTAL:			0		411691		137230		106912		0		
LOSSES:													
COMBAT:			0		0		0		0		0		
COMBAT ALLIES:			0		0		0		0		0		
PEACETIME:			432805		378645		378648		378645		1461		
WASHOUT:			4650		3337		2192		0		0		
SALES:			0		0		0		0		0		
OTHER:			0		0		0		0		0		
TOTAL:			437455		381982		380840		380106		0		
NET CHANGE (+/-)			-437455		-381982		-243609		-273194		0		
ASSET POSITION:													
STD SERVICEABLE:	1549945		1112490		730508		486898		213704		0		
UNSERVICEABLE:	0		0		0		0		0		0		
MAINTENANCE:	0		0		0		0		0		0		
SUBSTITUTE:	0		0		0		0		0		0		
TOTAL:	1549945		1112490		730508		486898		213704		0		
\$ VALUE:	\$0		\$1,546,361		\$0		\$1,533,730		\$0		\$0		
RECOMMENDED BUY QTY	-839441		-401986		-20004		223606		496800		\$0		
\$ VALUE:	\$0		(\$558,761)		\$0		\$704,358		\$0		\$0		
DEFICIENCY A.O.	-839441		-401986		-20004		223606		496800		\$0		
\$ VALUE:	\$0		(\$558,761)		\$0		\$704,358		\$0		\$0		
PERCENT OF OBJECTIVE:	218%		157%		103%		69%		30%		30%		

SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03012751

ITEM: FUZE, HAND GRENADE PRACTICE  
MODEL NO: M228

G878

P20A DISPLAY FOR DODIC:

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

TOTAL PHASE I PHASE II PHASE III TOTAL

1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE  
FORCES AFLOAT  
SUBTOTAL

2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE  
FORCES AFLOAT  
SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

6 GEO PREPOSITIONED

NALMEB  
GITMO  
WRSA

7 RESIDUAL

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

MPS BREAKOUT

MPS 1  
MPS 2  
MPS 3

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[illegible]

FAC NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX D DAY	PROCUREMENT LEAD TIME					REMARKS - QUANTITY IN MILLIONS	
		MINIMUM	185 MAXIMUM		ADMIN LEAD TIME		PROD- UCTION		AFTR		
					PRI	OCT/AFT	OCT				
1	MARTIN ELECTRONICS, PERRY, FL	0.20	0.40	1.00	5.00						
						INITIAL	6.00	6.00	9.00	15.00	
						REORDER	6.00	6.00	9.00	15.00	
Duno											

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## BUDGET ITEM JUSTIFICATION SHEET

DATE:

(RCN: 012541)

## P-1 NOMENCLATURE:

GRENADE, HAND SMOKE HC

## APPROPRIATION/

PROCUREMENT, MARINE CORPS, BA 01

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	19,591	30,806	30,799	30,821	24,533
COST (M\$)	0.000	0.000	0.000	0.587	0.949	0.970	0.992	0.807

The HC smoke hand grenade AN-M8 is a burning type grenade used to generate white smoke for screening activities of small units. It is also used for ground to air signaling. The grenade body is a cylinder of thin sheet metal filled with HC smoke mixture. The duration of the smoke screen is 105 seconds to 150 seconds.

For FY97 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	33095	33905	33905
Loss	396	296	195
Gain	0	0	0

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.000	0.587	0.949	0.970	0.992	0.807
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.000	0.587	0.949	0.970	0.992	0.807

P-1 SHOPP LIST

ITEM NO.

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EXHIBIT P-40

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

P-1 ITEM NOMENCLATURE:  
GRENADE, HAND SMOKE HC

DATE: NSN: 1330-00-219-8511  
( G930 )

[illegible]

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1330-00-219-8511

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

GRENADE, HAND SMOKE HC

( G930 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS REV	SPECS IF YES WHEN REQD AVAIL
---------------------------	------------	------------------------------	----	---------------	------------------------------	----------	-----------	--------------	--------------	---------------------------------------

1 . LOAD, ASSEMBLE, AND PACK (LAP)

FY 1997 PINE BLUFF ARSENAL  
PINE BLUFF, AR

SS/FP IOC MAR 97 APR 98 19591 24.38 YES NO

2 . NITROCELLULOSE WW GR D (LB)

FY 1997 HERCULES AEROSPACE  
RADFORD, VA

SS/CPAF IOC SEP 97 FEB 98 22 5.81 YES NO

REMARKS:

12-11

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03012541

ITEM: GRENADE, HAND SMOKE HC  
MODEL NO: AN-M8

G930

P20A DISPLAY FOR DODIC:

## INVENTORY OBJECTIVE QUANTITIES

	INITIAL ISSUE OF EQUIPMENT	POST D-DAY CONSUMPTION			TOTAL
	TOTAL	PHASE I	PHASE II	PHASE III	
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE		225	726	650	1,601
FORCES AFLOAT					
SUBTOTAL					1,601
2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE		141	724	505	1,370
FORCES AFLOAT				357	357
SUBTOTAL					1,727
MRC TOTALS					3,328
3 SPECIAL MISSION FORCES	25				25
4 PEACETIME OPERATING STOCKS					
5 TRAINING REQUIREMENT	35,095				35,095
6 GEO PREPOSITIONED					
NALMEB	2,272				2,272
GITMO	175				175
WRSA					
7 RESIDUAL	4,131				4,131
8 REGENERATION					
APPROVED ACQUISITION OBJECTIVE	41,698	366	1,450	1,512	45,026

## MPS BREAKOUT

MPS 1	1,680	1,680
MPS 2	1,680	1,680
MPS 3	1,680	1,680

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## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 45026 DODIC: G930		DESCRIPTION: GRENADE, HAND SMOKE HC		FY 1994		FY 1995		FY 1996		FY 1997	
ACQUISITION OBJECTIVE: 45026		LEADTIME: 19		30 SEPT 1993		30 SEPT 1994		30 SEPT 1995		30 SEPT 1996	
BUY SUMMARY:											
UNIT PRICE:		\$0.0000		\$0.0000		\$0.0000		\$0.0000		\$0.0000	
TOTAL PRICE:				\$0		\$0		\$0		\$0	
FY BUDGET QTY:				0		0		0		0	
GAINS:											
FDP DELIVERIES:				0		0		0		0	
OTHER ( 93 & PRIOR)				78880		0		0		0	
TOTAL:				78880		0		0		0	
LOSSES:											
COMBAT:				0		0		0		0	
COMBAT ALLIES:				0		0		0		0	
PEACETIME:				19923		33095		33095		33095	
WASHOUT:				220		396		296		195	
SALES:				0		0		0		0	
OTHER:				0		0		0		0	
TOTAL:				20143		33491		33391		33290	
NET CHANGE (+/-)				58737		-33491		-33391		-33290	
ASSET POSITION:											
STD SERVICEABLE:		73296		132033		98542		65151		31861	
UNSERVICEABLE:		0		0		0		0		0	
MAINTENANCE:		0		0		0		0		0	
SUBSTITUTE:		0		0		0		0		0	
TOTAL:		73296		132033		98542		65151		31861	
\$ VALUE:		\$0		\$0		\$0		\$0		\$954,554	
RECOMMENDED BUY QTY											
\$ VALUE:		-28270		-87007		-53516		-20125		13165	
DEFICIENCY A.O.				\$0		\$0		\$0		\$394,425	
\$ VALUE:		-28270		-87007		-53516		-20125		13165	
PERCENT OF OBJECTIVE:		163%		293%		219%		145%		71%	

[illegible]

NO.	FAC	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX AFTER 6 DAY	PROCUREMENT LEAD TIME						REMARKS: QUANTITY: IN THOUSANDS	
			MINIMUM	185 MAXIMUM		ADMIN LEAD TIME		PROD- UCTION		AFTER			
						PRI	OCT	AFT	OCT				
1		PINE BLUFF ARSENAL, AR	64.00	8.00	307.00	5.00			6.00	6.00	13.00	19.00	
									6.00	6.00	13.00	19.00	
									6.00	6.00	13.00	19.00	

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## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01 GRENADE, HAND SMOKE VIOLET

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	23,107	0	0	0	0	0
COST (M\$)	0.000	0.000	0.700	0.000	0.000	0.000	0.000	0.000

The M18 Violet Smoke Hand Grenade is primarily used for ground-to-ground or ground-to-air signaling. The grenade body is made of thin sheet metal and will emit a Violet colored smoke for 50 to 90 seconds.

For FY96, this is a Single Manager for Conventional Ammunition item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	0	0	0
Loss	81	81	80
Gain	0	0	9628

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.700	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.700	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST  
ITEM NO.

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EXHIBIT P-40



AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

APPROPRIATION BUDGET ACTIVITY:

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

P-1 ITEM NOMENCLATURE:  
GRENADE, HAND SMOKE VIOLET

DATE:  
NSN: 1330-00-289-6853  
( G955 )

		FY 1994 (QTY		0 )		FY 1995 (QTY		0 )		FY 1996 (QTY		23107 )		FY 1997 (QTY		0 )	
ELEMENT OF COST		QTY		UNIT		QTY		UNIT		QTY		UNIT		QTY		UNIT	
QM: EA				COST		TOTAL		COST		TOTAL		COST		TOTAL		COST	
HARDWARE																	
1. LOAD, ASSEMBLE, AND PACK (LAP)																	
2. NITROCELLULOSE WW GR D (LB)																	
SUBTOTAL																	
PRODUCT																	
1. PRODUCTION ENGINEERING																	
2. QUALITY ASSURANCE																	
3. ACCEPTANCE TESTING																	
4. INTERIM TRANSPORTATION																	
5. INDUSTRIAL STOCK SUPPORT																	
6. CAWCF GAIN/LOSS SURCHARGE																	
SUBTOTAL																	
*****																	
TOTAL P-1 LINE ITEM																	

## DATE:

APPROPRIATION/BUDGET ACTIVITY

## P-1 ITEM NOMENCLATURE

NSN: 1330-00-289-6853

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

GRENADÉ, HAND SMOKE VIOLET

( G955 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	METHOD	CONTRACTED	AWARD	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	NOV	REV	WHEN	SPECS IF YES
			BY	DATE				AVAIL			

1 . LOAD, ASSEMBLE, AND PACK (LAP)

FY 1996 PINE BLUFF ARSENAL  
PINE BLUFF, AR

	MAR 96	APR 97	23107	23.79	YES	NO
--	--------	--------	-------	-------	-----	----

2 . NITROCELLULOSE WW GR D (LB)

FY 1996 HERCULES AEROSPACE  
RADFORD, VA

	JAN 96	FEB 97	19	7.97	YES	NO
1						
2						
3						
4						
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90						

REMARKS:

SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN:

G955

P20A DISPLAY FOR DODIC:

ITEM: GRENADE, HAND SMOKE VIOLET

MODEL NO: M18

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"				
FORCES ASHORE	1,445	4,157	2,913	8,515
FORCES AFLOAT				8,515
SUBTOTAL				
2 MAJOR REGIONAL CONFLICT "B"				
FORCES ASHORE	4,313	21,913	13,764	39,990
FORCES AFLOAT			9,728	9,728
SUBTOTAL				49,718
MRC TOTALS				58,233
3 SPECIAL MISSION FORCES				24
4 PEACETIME OPERATING STOCKS				
5 TRAINING REQUIREMENT				
6 GEO PREPOSITIONED				
NALMEB	1,120			1,120
GITMO	224			224
WRSA				
7 RESIDUAL				3,154
8 REGENERATION				
APPROVED ACQUISITION OBJECTIVE	5,758	26,070	26,405	62,755

MPS BREAKOUT

MPS 1	1,072
MPS 2	1,072
MPS 3	1,072

12.18

## ASSET DYNAMICS

DATE:

	30 SEPT 1993	FY 1994	FY 1995	FY 1996	FY 1997
PROCUREMENT OBJECTIVE: 62755					
ACQUISITION OBJECTIVE: 62755					
LEADTIME 19					
*****					
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$30.2900	\$0.0000
TOTAL PRICE:		\$0	\$0	\$700,000	\$0
FY BUDGET QTY:		0	0	23107	0
GAINS:					
FDP DELIVERIES:					
OTHER ( 93 & PRIOR)		0	0	0	9628
TOTAL:		0	0	0	9628
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		0	0	0	0
WASHOUT:		81	81	80	80
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		81	81	80	80
NET CHANGE (+/-)		-81	-81	-80	9548
ASSET POSITION:					
STD SERVICEABLE:	26957	26876	26796	26715	36263
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	26957	26876	26796	26715	36263
\$ VALUE:	\$0	\$0	\$0	\$809,201	\$0
RECOMMENDED BUY QTY					
\$ VALUE:	35798	35879	35959	36040	26492
	\$0	\$0	\$0	\$1,091,648	\$0
DEFICIENCY A.O.					
\$ VALUE:	35798	35879	35959	36040	26492
	\$0	\$0	\$0	\$1,091,648	\$0
PERCENT OF					
OBJECTIVE:	43%	43%	43%	43%	58%



## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01 SIGNAL, ILLUM GROUND GSC

(RCN: 013541)

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	2,532	15,226	15,210	15,264	15,262
COST (M\$)	0.000	0.000	0.000	0.099	0.612	0.625	0.641	0.655

This star cluster signal consists of five-star illuminant assemblies and a rocket motor propulsion assembly contained in a hand-held launching tube. The base of the launching tube contains a primer and an initiating charge. These signals are used for daytime or nighttime signaling.

For FY97 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

Projected Qty	FY95	FY96	FY97
Consumption	14645	14465	14465
Loss	182	138	94
Gain	0	0	0

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.000	0.099	0.612	0.625	0.641	0.655
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	0.000	0.099	0.612	0.625	0.641	0.655

P-1 SHOPP LIST

ITEM NO.

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EXHIBIT P-40

AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

P-1 ITEM NOMENCLATURE:  
SIGNAL, ILLUM GROUND GSC

DATE:  
NSN: 1370-01-341-6282  
( L314 )

ELEMENT OF COST QM: EA	FY 1994 (QTY		0 )		FY 1995 (QTY		0 )		FY 1996 (QTY		0 )		FY 1997 (QTY		2532 )	
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	
HARDWARE																
-----																
1. LOAD, ASSEMBLE, AND PACK (LAP)																
2. BOX METAL M548													2532	31.18	79	
													107	15.12	2	
SUBTOTAL															81	
PRODUCT																
-----																
1. PRODUCTION ENGINEERING															4	
2. QUALITY ASSURANCE																
3. ACCEPTANCE TESTING															1	
4. INTERIM TRANSPORTATION															1	
5. INDUSTRIAL STOCK SUPPORT															2	
6. CMCF GAIN/LOSS SURCHARGE															10	
SUBTOTAL															18	
*****																
TOTAL P-1 LINE ITEM																
														39.09		99

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1370-01-341-6282

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

SIGNAL, ILLUM GROUND GSC

( L314 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
---------------------------	------------	------------------------------	------------------	---------------	------------------------------	----------	-----------	--------------	-------------------------------------------

1 . LOAD, ASSEMBLE, AND PACK (LAP)

FY 1997

C/FP

IOC

MAR 97 MAR 98

2532

31.18

YES

NO

2 . BOX METAL M548

FY 1997

C/FP

IOC

MAR 97 MAR 98

107

15.12

YES

NO

REMARKS:

LINE ITEM 2 - TBS - To Be Selected



# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

P20A DISPLAY FOR DODIC:

L314

ITEM: SIGNAL, ILLUM GROUND GSC

PM: AM

MODEL NO: M125A1

RCN: 03013541

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT

### POST D-DAY CONSUMPTION

TOTAL

PHASE I

PHASE II

PHASE III

TOTAL

#### 1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

440

1,200

754

2,394

#### 2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

237

1,192

593

2,022

422

2,444

#### MRC TOTALS

#### 3 SPECIAL MISSION FORCES

11

11

#### 4 PEACETIME OPERATING STOCKS

#### 5 TRAINING REQUIREMENT

14,645

14,645

#### 6 GEO PREPOSITIONED

NALMEB

GITMO

WRSA

612

108

612

108

#### 7 RESIDUAL

1,788

1,788

#### 8 REGENERATION

#### APPROVED ACQUISITION OBJECTIVE

17,164

2,392

1,769

22,002

#### MPS BREAKOUT

MPS 1

MPS 2

MPS 3

612

612

612

612

612

612

12-24

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 22002		DODIC: L314		DESCRIPTION: SIGNAL, ILLUM GROUND GSC					
ACQUISITION OBJECTIVE: 22002									
LEADTIME: 18									
30 SEPT 1993		FY 1994		FY 1995		FY 1996		FY 1997	
*****									
BUY SUMMARY:									
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$39.0900
TOTAL PRICE:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$99,000
FY BUDGET QTY:		0	0	0	0	0	0	0	2532
*****									
GAINS:									
FDP DELIVERIES:		0	0	0	0	0	0	0	0
OTHER ( 93 & PRIOR)		0	0	0	0	0	0	0	0
TOTAL:		0	0	0	0	0	0	0	0
*****									
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		15507	14645	14645	14645	14645	14645	14645	14645
WASHOUT:		230	182	182	138	138	138	94	94
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		15737	14827	14827	14783	14783	14783	14739	14739
*****									
NET CHANGE (+/-)									
		-15737	-14827	-14827	-14783	-14783	-14783	-14739	-14739
*****									
ASSET POSITION:									
STD SERVICEABLE:	76541	60804	45977	45977	31194	31194	31194	16455	16455
UNSERVICEABLE:	0	0	0	0	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0	0	0	0	0
TOTAL:	76541	60804	45977	45977	31194	31194	31194	16455	16455
*****									
\$ VALUE:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$643,244	\$643,244
*****									
RECOMMENDED BUY QTY	-54539	-38802	-23975	-23975	-9192	-9192	-9192	5547	5547
\$ VALUE:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$216,815	\$216,815
*****									
DEFICIENCY A.O.	-54539	-38802	-23975	-23975	-9192	-9192	-9192	5547	5547
\$ VALUE:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$216,815	\$216,815
*****									
PERCENT OF OBJECTIVE:	348%	276%	209%	209%	142%	142%	142%	75%	75%
*****									

[illegible]

FAC NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX AFTER 10 DAY
		MINIMUM	185 MAXIMUM	
1	THIokol CORP. MARSHALL, TX	9.00	79.00	229.00
				0.00

PROCUREMENT LEAD TIME				
	ADMIN LEAD TIME		PROD. LEAD TIME	
	PRI	OCT	AFT	OCT
INITIAL	6.00	6.00	12.00	18.00
REORDER	6.00	6.00	12.00	18.00

Page

REMARKS: QUANTITY IN THOUSANDS

12.24

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/ P-1 NOMENCLATURE:

PROCUREMENT, MARINE CORPS, BA 01

AMMO MOD

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	0	0	0	0	0
COST (M\$)	0.000	9.435	9.408	9.118	9.143	8.952	8.883	8.808

Ammunition modernization consists of procurement of components, end item modernization, repackaging of modernized material and upgrading of ammunition stocks suspended from use, declared unsafe or unserviceable. Items scheduled in FY96 and FY97 include small arms, 40mm, 60mm, 81mm, 155mm, mines, grenades, demolition, and missiles.

Note: This program was funded under the newly established Procurement Ammunition, Navy and Marine Corps BA 2.

Ammunition Modernization correlates to PANMC P-1 Number 35.

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	9.435	9.408	9.118	9.143	8.952	8.883	8.808

P-1 SHOPP LIST

ITEM NO.

PROGRAM COST BREAKDOWN

APPROPRIATION/ PMC/BUDGET ACTIVITY 1		P-1 ITEM NOMENCLATURE AMMO MODERNIZATION RCN 019961											
FY 95		FY 96		FY 97		FY 98		FY 99		FY 00		FY 01	
ITEMS	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	TOTAL COST
MODERNIZATION & COMPONENTS													
SMALL ARMS	1,251,315	513,039	822,840	32,914	0	0	0	95,000	3,800	0	0	0	0
CTG 40MM	165,808	703,834	338,915	1,403,108	99,550	499,649	29,500	149,565	0	0	548,000	3,222,240	33,000
CTG 60MM	124,247	2,256,328	44,615	810,208	117,000	1,894,230	0	0	10,450	188,848	0	0	0
CTG 81MM	0	0	4,568	884,728	0	0	22,070	375,411	19,500	348,980	25,500	479,400	10,000
CTG 105MM	2,837	56,787	0	0	0	0	0	0	0	0	0	0	0
CTG 120MM	2,900	115,942	0	0	0	0	0	1,900	899,555	0	0	0	0
CTG 155MM	85,000	1,855,000	74,724	1,781,992	147,600	4,998,776	205,000	7,002,800	69,500	3,322,955	80,950	2,300,283	45,000
GRENADES	0	0	16,000	77,400	0	0	0	0	87,500	580,125	85,000	592,450	95,000
DEMOLITION	0	0	455	121,121	0	0	405	221,900	6,700	6,091	250	151,250	0
MINES	118,802	1,773,714	0	0	0	0	116,700	103,893	90,000	83,700	0	0	0
10MM COMPONENTS	0	0	0	0	0	0	0	0	0	0	0	0	0
11MM COMPONENTS	0	0	0	0	0	0	0	0	0	0	0	0	0
16MM COMPONENTS	0	0	0	0	0	0	0	0	0	0	0	0	0
20MM COMPONENTS	0	0	0	0	0	0	0	0	0	0	0	0	0
155MM COMPONENTS	0	0	0	0	0	0	0	0	0	0	0	0	0
MISSILE COMPONENTS	20,150	453,980	27,010	810,300	0	0	0	0	22,000	405,660	2,090	47,088	0
ROCKETS	0	0	0	0	0	0	5,700	590,235	0	0	1,045	118,569	0
MINES	0	0	0	0	0	0	0	0	0	0	4,410	142,287	3,500
ANNUAL YEAR COMPONENTS	452,498	1,806,368	1,044,000	3,708,200	486,012	1,725,343	198,985	699,229	851,438	3,022,905	515,066	1,828,484	439,878
TOTAL VALUE		9,434,999		9,407,869		9,117,998		9,142,999		8,951,997		8,883,001	8,807,998
NUMBERS ARE ESTIMATION BASED ON PREVIOUS YEAR AND UPCOMING FINANCIAL PLANNING													

AMMO MOD costs include: Actual hands-on modernization effort (upgrading the round, adding safety features); all related engineering and technical support; and cost of components and packaging materials for modernization and maintenance efforts.

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/		P-1 NOMENCLATURE:										(ALTCODE: LESS2M )	
PROCUREMENT, MARINE CORPS, BA 01		LESS THAN 2 MILLION											
		FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001				
QUANTITY													
COST (M\$)		0.000	4.890	10.975	1.601	0.950	0.982	0.680	0.353				
This P-40 contains all ammunition items with a value less than 2M dollars. Items include various small arms ammunition, pyrotechnic devices, demolition materials (supporting Marine Expeditionary Unit's SOC requirements) and the Marine Corps Rifle Team's allowances.													

NOTE: This program is in Procurement Ammunition, Navy and Marine Corps BA 2.

Items Less Than \$2 Million correlates to PANMC P-1 Number 36.

PROGRAM COST BREAK-DOWN														DATE	
APPROPRIATION/ PROCUREMENT MARINE CORPS, BA 01 (LESS2M)															
P-1 ITEM NOMENCLAURE LESS THAN 2 MILLION (TOTAL COST IN MILLIONS OF DOLLARS)															
ELEMENT OF COST		FY - 1994		FY - 1995		FY - 1996		FY - 1997							
IDEN	CODE	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST				
ACTIVATOR, AT MINE PRACTICE															
AMMO ENGINEERING		0	0.000	0	0.000	0	0.000	15006	0.110	0	0.000				
CANINE EXPLOSIVE SCENT KIT		0	0.000	0	0.815	0	0.000	0	0.000	0	0.000				
CAP, BLASTING ELECTRIC		0	0.000	15	0.018	0	0.000	0	0.000	0	0.000				
CHARGE, DEMO FLSC 1200 GR/FT		0	0.000	748	0.006	39620	0.331	0	0.000	0	0.000				
CHARGE, DEMO FLSC 125 GR/FT		0	0.000	0	0.000	582	0.021	0	0.000	0	0.000				
CHARGE, DEMO FLSC 225 GR/FT		0	0.000	492	0.030	2132	0.068	1286	0.043	1286	0.043				
CHARGE, DEMO FLSC 2400 GR/FT		0	0.000	288	0.032	1708	0.073	1121	0.048	1121	0.048				
CHARGE, DEMO FLSC 30 GR/FT		0	0.000	0	0.000	390	0.021	297	0.015	297	0.015				
CHARGE, DEMO FLSC 40 GR/FT		0	0.000	390	0.016	0	0.000	0	0.000	0	0.000				
CHARGE, DEMO FLSC 400 GR/FT		0	0.000	336	0.019	1296	0.040	0	0.000	0	0.000				
CHARGE, DEMO FLSC 5400 GR/FT		0	0.000	171	0.024	539	0.039	685	0.031	685	0.031				
CHARGE, DEMO FLSC 60 GR/FT		0	0.000	0	0.000	624	0.045	0	0.000	0	0.000				
CHARGE, DEMO FLSC 600 GR/FT		0	0.000	414	0.024	2214	0.070	0	0.000	0	0.000				
CHARGE, DEMO FLSC 600 GR/FT		0	0.000	270	0.047	516	0.054	0	0.000	0	0.000				
CHARGE, DEMO FLSC 75 GR/FT		0	0.000	0	0.000	1034	0.025	0	0.000	0	0.000				
CHARGE, DEMO FLSC 75 GR/FT		0	0.000	1944	0.115	1651	0.296	1002	0.034	1002	0.034				
CHARGE, DIVERSIONARY MK 141/0		0	0.000	0	0.000	18000	0.720	0	0.000	0	0.000				
CHARGE, FLEXIBLE 20 GRAM		0	0.000	10	0.013	15363	0.028	0	0.000	0	0.000				
CHG, DEMO EXPLOSIVE SHEET 19FT		0	0.000	0	0.000	942	0.484	1515	0.671	1515	0.671				
CHG, DEMO EXPLOSIVE SHEET 25FT		0	0.000	0	0.000	2000	0.626	0	0.000	0	0.000				
CHG, DEMO EXPLOSIVE SHEET 38FT		0	0.000	0	0.000	1758	0.771	0	0.000	0	0.000				
CORD, DETONATING 100 GR/FT		0	0.000	18400	0.006	0	0.000	0	0.000	0	0.000				
CORD, DETONATING 200 GR/FT		0	0.000	21600	0.011	0	0.000	0	0.000	0	0.000				
CORD, DETONATING 400 GR/FT		0	0.000	14500	0.022	0	0.000	0	0.000	0	0.000				
CORD, DETONATING 600 GR/FT		0	0.000	16000	0.028	0	0.000	0	0.000	0	0.000				
CORD, DETONATING PETN		0	0.000	0	0.000	8102168	1.600	0	0.000	0	0.000				
CTG, 12 GAGE #00 BUCKSHOT		0	0.000	0	0.000	4536520	1.549	0	0.000	0	0.000				
CTG, 12 GAGE SLUG		0	0.000	0	0.000	404255	0.190	0	0.000	0	0.000				
CTG, CAL .45 BALL		0	0.000	5459708	1.069	0	0.000	0	0.000	0	0.000				
DET, PERCUSSION 175MS DELAY		0	0.000	0	0.000	53030	1.750	0	0.000	0	0.000				
DUAL FIRING DEVICE MK54		0	0.000	0	0.000	149	0.017	0	0.000	0	0.000				
FUZE, BLASTING TIME		0	0.000	8399765	1.216	0	0.000	0	0.000	0	0.000				
FUZE, MINE AT PRACTICE		0	0.000	0	0.000	14889	0.074	0	0.000	0	0.000				
IGNITER, TIME FUSE BLASTING		0	0.000	0	0.000	106013	0.374	192112	0.575	192112	0.575				
LESS THAN LETHAL MUNITIONS		0	0.000	0	0.200	0	0.000	0	0.000	0	0.000				
RIFLE TEAM AMMUNITION		0	0.000	0	0.253	0	0.000	0	0.159	0	0.184				
RIOT CONTROL AGENT, CS CAPSULE		0	0.000	0	0.000	234491	0.140	0	0.000	0	0.000				
SIMULATOR, BOOBYTRAP FLASH		0	0.000	0	0.000	229753	1.300	0	0.000	0	0.000				
SIMULATOR, HAND GRENADE		0	0.000	0	0.000	0	0.000	0	0.000	0	0.000				
SIMULATOR, PROJ GROUND BURST		0	0.000	127044	0.926	0	0.000	0	0.000	0	0.000				
TOTAL VALUE			0.000	4.890		10.975			1.601						

1402

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

APPROPRIATION/PROCUREMENT, MARINE CORPS, BA 01 | P-1 NOMENCLATURE:  
| CTG, 81MM ILLUM

(RCN: 01-247-1)

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	32,512	0	0	0	13,309	14,142	22,004
COST (M\$)	0.000	13.044	0.000	0.000	0.000	4.503	4.890	7.776

The M853A1 is an illumination round for use with the 81mm mortar system (M252). This round has a range of approximately 5,100 meters, 55% greater than the older 81mm illumination round. It burns with a 33% greater light output. The M772 time fuze used with this round increases accuracy. The payload consists of a parachute and an improved illuminant which is ignited and ejected upon functioning of the fuze. This round is designed to provide illumination at 525,000 candle power for a period of 60 seconds.

NOTE: In FY95, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

Projected Qty	FY95	FY96	FY97
Consumption	33130	33130	33130
Loss	697	595	494
Gain	0	0	32512

This item is code "A".

81 MM Illumination M853 correlates to PANMC P-1 Number 26.

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	13.044	0.000	0.000	0.000	4.503	4.890	7.776
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	13.044	0.000	0.000	0.000	4.503	4.890	7.776

P-1 SHOPP LIST

ITEM NO.

Page 81mm-1

EXHIBIT P-40



AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

P-1 ITEM NOMENCLATURE:  
CTG, 81MM ILLUM

DATE: ;  
NSN: 1315-01-353-7617  
( C871 )

ELEMENT OF COST		FY 1994 (QTY		0 )		FY 1995 (QTY		32512 )		FY 1996 (QTY		0 )		FY 1997 (QTY		0 )	
QM: EA		QTY	UNIT	TOTAL		QTY	UNIT	TOTAL		QTY	UNIT	TOTAL		QTY	UNIT	TOTAL	
			COST				COST				COST				COST		
HARDWARE																	
1. LOAD, ASSEMBLE, AND PACK (LAP)						32512	177.66		5776								
2. PROP CHG M219						133300	1.79		238								
3. CONTAINER ASSY						133300	1.95		260								
4. NITROCELLULOSE WW GR A (LB)						2211	8.99		20								
5. IGN CTG M752A1						33813	12.59		426								
6. M9 FLAKE .010 (LB)						758	51.29		39								
7. FZ M772						33813	112.95		3819								
SUBTOTAL									10578								
PRODUCT																	
1. PRODUCTION ENGINEERING									414								
2. QUALITY ASSURANCE									17								
3. ACCEPTANCE TESTING									491								
4. INTERIM TRANSPORTATION									65								
5. INDUSTRIAL STOCK SUPPORT									629								
6. CMCF GAIN/LOSS SURCHARGE									850								
SUBTOTAL									2466								
*****																	
TOTAL P-1 LINE ITEM									401.20								
									13044								

DATE:

PROCUREMENT HISTORY & PLANNING

NSN: 1315-01-353-7617

P-1 ITEM NOMENCLATURE

( C871 )

APPROPRIATION/BUDGET ACTIVITY

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 81MM ILLUM

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
---------------------------	------------	------------------------------	------------------	---------------	------------------------------	----------	-----------	--------------	-------------------------------------------

1 . LOAD, ASSEMBLE, AND PACK (LAP)

FY 1995	PINE BLUFF ARSENAL PINE BLUFF, AR	SS/FP	IOC	JAN 95	OCT 96	32512	177.66	YES	NO
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2 . PROP CHG M219

FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	FEB 95	JUL 96	133300	1.79	YES	NO
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3 . CONTAINER ASSY

FY 1995	ARMTEC DEFENSE PROD COACHELLA, CA	C/FP	IOC	AUG 95	JUN 96	133300	1.95	YES	NO
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4 . NITROCELLULOSE WW GR A (LB)

FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	JAN 95	MAY 96	2211	8.99	YES	NO
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5 . IGN CTG M752A1

FY 1995	MARTIN MARIETTA MILAN, TN	SS/CPAF	IOC	JAN 95	JUN 96	33813	12.59	YES	NO
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6 . M9 FLAKE .010 (LB)

FY 1995	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	AUG 95	MAY 96	758	51.29	YES	NO
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DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1315-01-353-7617

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG, 81MM ILLUM

( C871 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
---------------------------	------------	------------------------------	------------------	---------------	------------------------------	----------	-----------	--------------	-------------------------------------------

7 . FZ M772

FY 1995 JUNGHAMS  
SCHRAMBERG, GERMANY

IOC

SS/FP

JUL 95 JAN 96

33813

112.95

YES

NO

REMARKS:

LINE ITEM 7 - \*\* PACING COMPONENT

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

PM: AM  
RCN: 03012471

ITEM: CTG, 81MM ILLUM  
MODEL NO: M853A1

C871

P20A DISPLAY FOR DODIC:

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT

### POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE		35,376	29,391	10,752	75,519
FORCES AFLOAT				8,631	8,631
SUBTOTAL					84,150

### 2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE	6,036	22,043	6,239	34,318
FORCES AFLOAT			5,910	5,910
SUBTOTAL				40,228

### MRC TOTALS

124,378

### 3 SPECIAL MISSION FORCES

1,898

1,898

### 4 PEACETIME OPERATING STOCKS

6,917

6,917

### 5 TRAINING REQUIREMENT

33,130

33,130

### 6 GEO PREPOSITIONED

NALMEB

11,391

11,391

GITMO

3,417

3,417

WRSB

### 7 RESIDUAL

44,196

44,196

### 8 REGENERATION

### APPROVED ACQUISITION OBJECTIVE

100,949

51,434

31,532

225,327

### MPS BREAKOUT

MPS 1

16,398

16,398

MPS 2

16,398

16,398

MPS 3

16,398

16,398

81mm-5

## ASSET DYNAMICS

DATE: 03/14/96

PROCUREMENT OBJECTIVE: 225327 DODIC: C871  
 ACQUISITION OBJECTIVE: 225327 DESCRIPTION: CTG, 81MM ILLUM  
 LEADTIME : 24

	30 SEPT 1993	FY 1994	FY 1995	FY 1996	FY 1997
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$401.2000	\$0.0000	\$0.0000
TOTAL PRICE:		\$0	\$13,044,000	\$0	\$0
FY BUDGET QTY:		0	32512	0	0
GAINS:					
FDP DELIVERIES:		0	0	0	32512
OTHER ( 93 & PRIOR)		163276	0	0	0
TOTAL:		163276	0	0	32512
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		15155	33130	33130	33130
WASHOUT:		253	697	595	494
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		15408	33827	33725	33624
NET CHANGE (+/-)		147868	-33827	-33725	-1112
ASSET POSITION:					
STD SERVICEABLE:	84409	232277	198450	164725	163612
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	84409	232277	198450	164725	163612
\$ VALUE:	\$0	\$0	\$79,618,117	\$0	\$0
RECOMMENDED BUY QTY	140918	-6950	26877	60602	61715
\$ VALUE:	\$0	\$0	\$10,783,075	\$0	\$0
DEFICIENCY A.O.	140918	-6950	26877	60602	61715
\$ VALUE:	\$0	\$0	\$10,783,075	\$0	\$0
PERCENT OF OBJECTIVE:	37%	103%	88%	73%	73%



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ITEM NO.	PAGE NO.	P-1 SHOPPING LIST
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ITEM NO.

PAGE NO.

81mm8

## BUDGET ITEM JUSTIFICATION SHEET

DATE:

## APPROPRIATION/

P-1 NOMENCLATURE:

(RCN: 018371)

PROCUREMENT, MARINE CORPS, BA 01

CTG 155MM CHG PROP RED BAG

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	22,729	0	0	0	0	0
COST (M\$)	0.000	0.000	15.662	0.000	0.000	0.000	0.000	0.000

The M203A1 propelling charge is a single increment base ignited Zone 8S charge. Provides extended range capability for 155mm projectiles from both Self Propelled and Towed Howitzers.

NOTE: In FY96, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

	FY96	FY97	FY98
Projected Qty	2572	2572	2572
Consumption	399	390	387
Loss	0	1894	20835

This item is code "A".

155 MM, Chg. Prop. Red Bag correlates to PANMC P-1 Number 29.

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	1.772	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	13.890	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	15.662	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST

ITEM NO.



AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1320-01-202-8938  
( D532 )

P-1 ITEM NOMENCLATURE:  
CTG 155MM CHG PROP RED BA

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

		FY 1994		FY 1995		FY 1996		FY 1997			
		QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY
ELEMENT OF COST											
QM: EA											
<b>HARDWARE</b>											
-----											
1.	LOAD, ASSEMBLE, AND PACK (LAP)										
2.	M31A1E1 SVL STK PROP (LB)										
3.	PWD CB IGNITION (CBI) (LB)										
4.	COMBUSTIBLE CASE										
5.	*NITROGUANIDINE (EA)										
6.	PLUG, SHOCK ATTENUATING										
7.	GROMMET M549 SIM (EA)										
8.	LAP M549 SIM										
9.	M549 SIM MTL PRTS										
10.	OBTURATOR										
11.	NITROCELLULOSE WW GR A (LB)										
SUBTOTAL											
<b>PRODUCT</b>											
-----											
1.	PRODUCTION ENGINEERING										
2.	QUALITY ASSURANCE										
3.	ACCEPTANCE TESTING										
4.	INTERIM TRANSPORTATION										
5.	INDUSTRIAL STOCK SUPPORT										
6.	CANCF GAIN/LOSS SURCHARGE										
7.	*GOVERNMENT FURNISHED MATERIAL										
SUBTOTAL											
*****											
TOTAL P-1 LINE ITEM											

DATE:

## PROCUREMENT HISTORY &amp; PLANNING

## APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1320-01-202-8938

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG 155MM CHG PROP RED BAG

( D532 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
1 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1996		C/FP	IOC	JUL 96	SEP 97	22729	57.71	YES	NO
2 . M31A1E1 SVL STK PROP (LB)									
FY 1996	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	MAY 96	JUL 97	659141	12.17	YES	NO
3 . PWD CB IGNITION (CBI) (LB)									
FY 1996	HERCULES AEROSPACE RADFORD, VA	SS/CPAF	IOC	MAY 96	JUL 97	1564	21.53	YES	NO
4 . COMBUSTIBLE CASE									
FY 1996	ARMTEC DEFENSE PROD COACHELLA, CA	C/FP	IOC	MAY 96	JUL 97	23184	51.54	YES	NO
5 . *NITROGUANIDINE (EA)									
FY 1996	STOCK ISSUE	N/A	N/A	N/A	N/A	375029	4.80	YES	NO
6 . PLUG, SHOCK ATTENUATING									
FY 1996		C/FP	IOC	MAY 96	JUL 97	864	1.83	YES	NO
7 . GROMMET M549 SIM (EA)									
FY 1996		C/FP	IOC	MAY 96	JUL 97	864	1.40	YES	NO

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1320-01-202-8938

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

CTG 155MM CHG PROP RED BAG

( D532 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN REQD AVAIL
8 . LAP M549 SIM								
FY 1996		C/FP	MAY 96	JUL 97	22729	28.21	YES	NO
9 . M549 SIM MTL PRTS								
FY 1996		C/FP	MAY 96	JUL 97	1023	147.16	YES	NO
10 . OBTURATOR								
FY 1996		C/FP	MAY 96	JUL 97	1023	0.58	YES	NO
11 . NITROCELLULOSE WW GR A (LB)								
FY 1996 HERCULES AEROSPACE RADFORD, VA		SS/CPAF	MAY 96	JUL 97	53414	10.49	YES	NO

REMARKS:

LINE ITEM 5 - TBS - To Be Selected LINE ITEM 11 - TBS - To Be Selected

## SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

P20A DISPLAY FOR DODIC: D532

ITEM: CHG, PROP 155MM RED BAG

PM: AM

MODEL NO: M203A1

RCN: 03018371

## INVENTORY OBJECTIVE QUANTITIES

## INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE		78,160	99,197	37,439	214,796
FORCES AFLOAT				91,279	91,279
SUBTOTAL					306,075
2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE		92,156	200,620	98,542	391,318
FORCES AFLOAT				36,441	36,441
SUBTOTAL					427,759
MRC TOTALS					733,834
3 SPECIAL MISSION FORCES	1,794				1,794
4 PEACETIME OPERATING STOCKS					
5 TRAINING REQUIREMENT	2,572				2,572
6 GEO PREPOSITIONED					
NALMEB	14,364				14,364
GITMO	911				911
WRSB					
7 RESIDUAL	43,215				43,215
8 REGENERATION					
APPROVED ACQUISITION OBJECTIVE	62,856	170,316	299,817	263,701	796,690

## MPS BREAKOUT

MPS 1	19,746
MPS 2	19,746
MPS 3	19,746

155M-5

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 796690 D532		DODIC: D532		DESCRIPTION: CTG 155MM CHG PROP RED BA					
ACQUISITION OBJECTIVE: 796690		FY 1994		FY 1995		FY 1996		FY 1997	
LEADTIME: 23		30 SEPT 1993		30 SEPT 1993		30 SEPT 1993		30 SEPT 1993	
BUY SUMMARY:									
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$689.0600	\$0.0000	\$0.0000	\$0.0000
TOTAL PRICE:	\$0	\$0	\$0	\$0	\$0	\$15,662,000	\$0	\$0	\$0
FY BUDGET QTY:						22729			
GAINS:									
FDP DELIVERIES:		0	0	0	0	0	0	0	1894
OTHER ( 93 & PRIOR)		0	0	0	0	0	0	0	0
TOTAL:		0	0	0	0	0	0	0	1894
LOSSES:									
COMBAT:		0	0	0	0	0	0	0	0
COMBAT ALLIES:		0	0	0	0	0	0	0	0
PEACETIME:		0	0	857	857	2572	2572	2572	2572
WASHOUT:		0	0	403	403	399	399	390	390
SALES:		0	0	0	0	0	0	0	0
OTHER:		0	0	0	0	0	0	0	0
TOTAL:		0	0	1260	1260	2971	2971	2962	2962
NET CHANGE (+/-)		0	-1260	-1260	-1260	-2971	-2971	-1068	-1068
ASSET POSITION:									
STD SERVICEABLE:	0	134232	132972	132972	132972	130001	130001	128933	128933
UNSERVICEABLE:	0	0	0	0	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0	0	0	0	0
TOTAL:	0	134232	132972	132972	132972	130001	130001	128933	128933
\$ VALUE:	\$0	\$0	\$0	\$0	\$0	\$89,578,756	\$0	\$0	\$0
RECOMMENDED BUY QTY	0	662458	663718	663718	663718	666689	667757	667757	667757
\$ VALUE:	\$0	\$0	\$0	\$0	\$0	\$459,388,456	\$0	\$0	\$0
DEFICIENCY A.O.	0	662458	663718	663718	663718	666689	667757	667757	667757
\$ VALUE:	\$0	\$0	\$0	\$0	\$0	\$459,388,456	\$0	\$0	\$0
PERCENT OF OBJECTIVE:	0%	17%	17%	17%	17%	16%	16%	16%	16%



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## BUDGET ITEM JUSTIFICATION SHEET

DATE:

(RCN: 014881)

P-1 NOMENCLATURE:

FUZE, ELECTRONIC TIME M762

APPROPRIATION/  
PROCUREMENT, MARINE CORPS, BA 01

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	135,074	80,237	0	0	0	0	0
COST (M\$)	0.000	17.194	9.789	0.000	0.000	0.000	0.000	0.000

The M762 fuze is a second generation design that has dual setting capability: (1) handset without need for any external setting device and (2) an automatic set for higher rates of fire. Automatic set will be accomplished by means of an inductive setter used in conjunction with the weapon system's autoloader/loader assist mechanism and fire control system. The fuze will be used with all existing and developmental cargo projectiles in the 105mm and 155mm artillery weapons systems and will also comply with Rationalization, Standardization and Interoperability (RSI) agreements for artillery weapons systems.

NOTE: This program is in Procurement Ammunition, Navy and Marine Corps BA 2.

	FY95	FY96	FY97
Projection Qty			
Consumption	0	1636	8181
Loss	291	389	944
Gain	32886	186942	125935

This item is code "A".

FUZE, ET M762 correlates to PANMC P-1 Number 30.

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	17.194	9.589	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	17.194	9.789	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST

ITEM NO.



AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1390-01-282-6038  
( N289 )

P-1 ITEM NOMENCLATURE:  
FUZE, ELECTRONIC TIME M762

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ELEMENT OF COST QM: EA	FY 1994		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999	
	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
<b>HARDWARE</b>												
1. LOAD, ASSEMBLE, AND PACK (LAP)												
2. BOX METAL M2A1												
3. HMX SPEC GRAN (LB)												
4. PEX 9407 TY 1 (LB)												
SUBTOTAL			14405									
<b>PRODUCT</b>												
1. PRODUCTION ENGINEERING												
2. QUALITY ASSURANCE												
3. ACCEPTANCE TESTING												
4. INTERIM TRANSPORTATION												
5. INDUSTRIAL STOCK SUPPORT												
6. CMCF GAIN/LOSS SURCHARGE												
SUBTOTAL			2789									
*****												
TOTAL P-1 LINE ITEM			127.29			17194			122.00			9789

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1390-01-282-6038

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

FUZE, ELECTRONIC TIME M762

( N289 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS IF YES REV WHEN
1 . LOAD, ASSEMBLE, AND PACK (LAP)									
FY 1995 UNKNOWN		C/OPTION	IOC	SEP 95	DEC 96	135074	105.79	YES	NO
FY 1996		C/FP	IOC	SEP 96	JAN 98	80237	95.12	YES	NO
2 . BOX, METAL M2A1									
FY 1995 UNKNOWN		C/FP	IOC	AUG 95	AUG 96	16884	6.84	YES	NO
FY 1996		C/FP	IOC	OCT 96	NOV 97	10191	5.58	YES	NO
3 . HMX SPEC GRAN (LB)									
FY 1996		C/FP	IOC	OCT 96	NOV 97	5	104.42	YES	NO
4 . PBX 9407 TY 1 (LB)									
FY 1996		C/FP	IOC	OCT 96	NOV 97	5	31.39	YES	NO

REMARKS:

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

P20A DISPLAY FOR DODIC: N289

ITEM: FUZE, ELECTRONIC TIME M762  
MODEL NO: M762

PM: AM

RCN: 03014881

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE		121,249	197,275	75,279	393,803
FORCES AFLOAT				149,925	149,925
SUBTOTAL					543,728
2 MAJOR REGIONAL CONFLICT "B"					
FORCES ASHORE		97,676	235,125	104,021	436,822
FORCES AFLOAT				57,570	57,570
SUBTOTAL					494,392
MRC TOTALS					1,038,120
3 SPECIAL MISSION FORCES	5,191				5,191
4 PEACETIME OPERATING STOCKS					
5 TRAINING REQUIREMENT	16,362				16,362
6 GEO PREPOSITIONED					
NALMEB	41,536				41,536
GITMO	9,199				9,199
WRSA					
7 RESIDUAL	129,448				129,448
8 REGENERATION					
APPROVED ACQUISITION OBJECTIVE	201,736	218,925	432,400	386,795	1,239,856

## MPS BREAKOUT

MPS 1  
MPS 2  
MPS 3

51,920  
51,920  
51,920

2E-4

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 1239856  
ACQUISITION OBJECTIVE: 1239856  
LEADTIME : 22

DODIC: N289

DESCRIPTION: FUZE, ELECTRONIC TIME M762

\*\*\*\*\* 30 SEPT 1993 \*\*\*\*\* FY 1994 \*\*\*\*\* FY 1995 \*\*\*\*\* FY 1996 \*\*\*\*\* FY 1997 \*\*\*\*\*

## BUY SUMMARY:

UNIT PRICE:	\$0.0000	\$70.8600	\$127.2900	\$122.0000	\$0.0000
TOTAL PRICE:		\$13,982,000	\$17,194,000	\$9,789,000	\$0
FY BUDGET QTY:		197315	135074	80237	0

## GAINS:

FDP DELIVERIES:	0	32886	186942	186942	125935
OTHER ( 93 & PRIOR)	97152	0	0	0	0
TOTAL:	97152	32886	186942	186942	125935

## LOSSES:

COMBAT:	0	0	0	0	0
COMBAT ALLIES:	0	0	0	0	0
PEACETIME:	0	0	1636	1636	8181
WASHOUT:	0	291	389	389	944
SALES:	0	0	0	0	0
OTHER:	0	0	0	0	0
TOTAL:	0	291	2025	2025	9125

## NET CHANGE (+/-)

	97152	32594	184916	184916	116810
--	-------	-------	--------	--------	--------

## ASSET POSITION:

STD SERVICEABLE:	0	129746	314663	314663	431472
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	0	129746	314663	314663	431472

## \$ VALUE:

	\$0	\$6,884,191	\$16,515,416	\$38,388,842	\$0
--	-----	-------------	--------------	--------------	-----

## RECOMMENDED BUY QTY

	1239856	1142704	1110110	925193	808384
--	---------	---------	---------	--------	--------

## \$ VALUE:

	\$0	\$80,972,005	\$141,305,854	\$112,873,590	\$0
--	-----	--------------	---------------	---------------	-----

## DEFICIENCY A.O.

	1239856	1142704	1110110	925193	808384
--	---------	---------	---------	--------	--------

## \$ VALUE:

	\$0	\$80,972,005	\$141,305,854	\$112,873,590	\$0
--	-----	--------------	---------------	---------------	-----

## PERCENT OF

	0%	8%	10%	25%	35%
--	----	----	-----	-----	-----

## OBJECTIVE:

--	--	--	--	--	--



APPROPRIATION/BUDGET MARINE CORPS, BA 01									
PRODUCTION SCHEDULE (EXHIBIT P-21)									
IP-1 ITEM NOMENCLATURE: FUZE ELECTRONIC TIME M762									
JDDIC: N289 I									
FISCAL YEAR 2000									
CALENDAR YEAR 2000									
CALENDAR YEAR 1999									
FISCAL YEAR 1998									
BOE OF 1									
ACCP TO									
PROGRAM QUANTITY									
FY 96 FY 97 FY 98 FY 99 FY 00									
95P	96	97	98	99	00	1998	1998	1998	1998
K MC						0.00	0.00	0.00	0.00
K MC						0.00	0.00	0.00	0.00
K MC	80.2					60.3	19.9	6.7	6.5
K MC						0.00	0.00	0.00	0.00
ALL						0.00	0.00	0.00	0.00
ALL						0.00	0.00	0.00	0.00
ALL	80.2					60.3	19.9	6.7	6.5
ALL						0.00	0.00	0.00	0.00
TOTAL MONTHLY PROD						60.3	100	6.7	6.5

REMARKS: M762 and M767 will be produced on the same line.  
QUANTITY IN THOUSANDS

PROCUREMENT LEAD TIME			
ADMIN LEAD TIME		PROD UCTION	
PRI	OCT/AFT	OCT	AFTER
INITIAL	6.00	11.00	17.00
REORDER	6.00	8.00	14.00

FAC NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX AFTER DAY	
		MINIMUM	185	MAXIMUM	0.00
1	BULOVA SYS, VALLEY STREAM, NY	20.00	30.00	60.00	0.00
2	ALLIANT TECH SYS INC, MN	15.00	20.00	40.00	0.00

Page

Fuze . 7

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BUDGET ITEM JUSTIFICATION SHEET											
											DATE:
APPROPRIATION/ PROCUREMENT, MARINE CORPS, BA 01	(P-1 NOMENCLATURE: ROCKETS, ALL TYPES)										(ALTCODE: 015491 )
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
QUANTITY											
COST (M\$)	0.000	0.074	6.885	0.000	0.000	75.883	158.311	125.919			

This is a roll-up of the SNAW, SRAW (Predator) and MLRS rockets into a single Rockets All Types line.

NOTE: In FY95 & FY96, this program is in Procurement Ammunition, Navy and Marine Corps BA 2.

Rockets, All Types correlates to PANMC P-1 Number 34.





## BUDGET ITEM JUSTIFICATION SHEET

DATE:

(RCN: 013361)

P-1 NOMENCLATURE:

ROCKET, 227MM PRACTICE

APPROPRIATION/

PROCUREMENT, MARINE CORPS, BA 01

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	13	0	0	0	0	0	0
COST (M\$)	0.000	0.074	0.000	0.000	0.000	0.000	0.000	0.000

The 227mm Practice Rocket is the practice version of the 227mm HEDP-ICM rockets and is used for training for the Multiple Launch Rocket System. The practice rocket simulates the tactical rocket in rocket range and ballistics; also provides a marking smoke upon impact.

NOTE: This program is in Procurement ammunition, Navy and Marine Corps BA 2.

Projected Qty	FY95	FY96	FY97
Consumption	0	0	0
Loss	0	0	0
Gain	0	5	8

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.074	0.000	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.074	0.000	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST

ITEM NO.

Rockets - 3

Page

EXHIBIT P-40

# AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

APPROPRIATION BUDGET ACTIVITY: P-1 ITEM NO: 13 DATE: (H108)  
 PROCUREMENT AMMUNITION, USMC/ACTIVITY 01. AMMUNITION ROCKET, 227MM PRACTICE

FY 94 (QTY )		FY 95 (QTY 13 )		FY 96 (QTY )		FY 97 (QTY )	
ELEMENT OF COST	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY
Q4: EA							
HARDWARE							
1. PRACTICE ROCKET	13	5782.26	67				
SUBTOTAL			67				
PRODUCTION							
1. PRODUCTION ENGINEERING			7				
SUBTOTAL			7				
TOTAL P-1 LINE ITEM			74				

Rockets 4  
 P-1 ITEM NO. PAGE NO.

PCN P020H1D0042

PROCUREMENT HISTORY & PLANNING				DATE			
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT AMMUNITION, USMC/ACTIVITY 1. AMMUNITION				P-1 ITEM NOMENCLATURE ROCKET, 227MM, PRACTICE F/MLRS (H108)			
LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST
1. PRACTICE ROCKET							
FY 95	NA	STOCK	HICOM	NA	MAR 95	13	5782.26
							YES NO

REMARKS:

Item to be delivered from U.S. Army stockpile with funds provided to keep production line warm in preparation for new extended range version of MLRS Rocket to begin production in FY97

P-1 ITEM NO.

PAGE NO.

EXHIBIT P-5A

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SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

P20A DISPLAY FOR DODIC: H108

ITEM: ROCKET, 227MM PRACTICE

PM: AM

MODEL NO: M28

RCN: 03013361

INVENTORY OBJECTIVE QUANTITIES

INITIAL ISSUE OF EQUIPMENT

POST D-DAY CONSUMPTION

TOTAL

PHASE I

PHASE II

PHASE III

TOTAL

1 MAJOR REGIONAL CONFLICT "A"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE

FORCES AFLOAT

SUBTOTAL

MRC TOTALS

3 SPECIAL MISSION FORCES

4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT

6 GEO PREPOSITIONED

NALMEB

GITMO

WRSA

7 RESIDUAL

8 REGENERATION

APPROVED ACQUISITION OBJECTIVE

MPS BREAKOUT

MPS 1

MPS 2

MPS 3

324

324

178

178

502

502

Rockets-6

PROCUREMENT OBJECTIVE: 502		DODIC: H108		DESCRIPTION: ROCKET, 227MM PRACTICE	
ACQUISITION OBJECTIVE: 502					
LEADTIME: 19					
***** 30 SEPT 1993		***** FY 1994		***** FY 1995	
		***** FY 1996		***** FY 1997	
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$5,782.2600	\$0.0000	\$0.0000
TOTAL PRICE:		\$0	\$74,000	\$0	\$0
FY BUDGET QTY:		0	13	0	0
GAINS:					
FDP DELIVERIES:		0	0	5	8
OTHER ( 93 & PRIOR)		0	0	0	0
TOTAL:		0	0	5	8
LOSSES:					
COMBAT:		0	0	0	0
COMBAT ALLIES:		0	0	0	0
PEACETIME:		0	0	0	0
WASHOUT:		0	0	0	0
SALES:		0	0	0	0
OTHER:		0	0	0	0
TOTAL:		0	0	0	0
NET CHANGE (+/-)		0	0	5	8
ASSET POSITION:					
STD SERVICEABLE:	0	0	0	5	13
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	0	0	0	5	13
\$ VALUE:	\$0	\$0	\$0	\$0	\$0
RECOMMENDED BUY QTY	502	502	502	497	489
\$ VALUE:	\$0	\$0	\$2,902,695	\$0	\$0
DEFICIENCY A.O.	502	502	502	497	489
\$ VALUE:	\$0	\$0	\$2,902,695	\$0	\$0
PERCENT OF OBJECTIVE:	0%	0%	0%	1%	3%



## BUDGET ITEM JUSTIFICATION SHEET

DATE:

(RCN: 013331)

## P-1 NOMENCLATURE:

ROCKET, 83MM HEAA PRACTICE

## APPROPRIATION/

PROCUREMENT, MARINE CORPS, BA 01

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	4,958	0	0	0	0	0
COST (M\$)	0.000	0.000	6.885	0.000	0.000	0.000	0.000	0.000

This practice rocket is for the Shoulder-Launched Multi-Purpose Assault Weapon (SMAW). It is configured to be ballistically matched to the dual Mode and High Explosive Anti-Armor Rockets. This item is for training use only.

For FY96 this is a Single Manager for Conventional Ammunition managed item being procured through the Conventional Ammunition Working Capital Fund.

	FY95	FY96	FY97
Projected Qty	6491	6491	6491
Consumption	79	60	40
Loss	0	0	1,240
Gain			

This item is code "A".

	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
CONSUMPTION	0.000	0.000	6.885	0.000	0.000	0.000	0.000	0.000
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COST (M\$)	0.000	0.000	6.885	0.000	0.000	0.000	0.000	0.000

P-1 SHOPP LIST

ITEM NO.

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Rockets - 9

EXHIBIT P-40



AMMUNITION COST ANALYSIS (DOLLARS IN: THOUSANDS)

DATE: NSN: 1340-01-227-8871  
(HX07)

P-1 ITEM NOMENCLATURE:  
ROCKET, 83MM HEAA PRACTICE

APPROPRIATION BUDGET ACTIVITY:  
PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

FY 1994 (QTY		0 )		FY 1995 (QTY		0 )		FY 1996 (QTY		4958 )		FY 1997 (QTY		0 )	
ELEMENT OF COST		UNIT		UNIT		UNIT		UNIT		UNIT		UNIT		UNIT	
QM: EA		QTY		QTY		QTY		QTY		QTY		QTY		QTY	
HARDWARE		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
1. COMPLETE ROUND										4958 1118.08 5543					
SUBTOTAL										5543					
PRODUCT															
1. QUALITY ASSURANCE														8	
2. ACCEPTANCE TESTING														64	
3. INTERIM TRANSPORTATION														21	
4. INDUSTRIAL STOCK SUPPORT														236	
5. CAWCF GAIN/LOSS SURCHARGE														1013	
SUBTOTAL										1342					
*****															
TOTAL P-1 LINE ITEM															
*****															
1388.65 6885															

Rocket 10

DATE:

PROCUREMENT HISTORY & PLANNING

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

NSN: 1340-01-227-8871

PROCUREMENT AMMUNITION, MARINE CORPS, BA 01

ROCKET, 83MM HEAA PRACTICE

( HX07 )

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	AVAIL NOW	SPECS REV	SPECS IF YES WHEN REQD AVAIL
---------------------------	------------	------------------------------	------------------	---------------	------------------------------	----------	-----------	--------------	--------------	---------------------------------------

1 . COMPLETE ROUND

FY 1996

C/FP

IOC

JUN 96 DEC 97

4958

1118.08

YES

NO

REMARKS:

LINE ITEM 1 - TBS - To Be Selected

# SUMMARY ITEM READINESS STUDY - EXHIBIT P20A DODIC SEQUENCE

DATE:

P20A DISPLAY FOR DODIC: HX07

ITEM: ROCKET, 83MM HEAA PRACTICE

PM: AM

MODEL NO: MK7-0

RCN: 03013331

## INVENTORY OBJECTIVE QUANTITIES

### INITIAL ISSUE OF EQUIPMENT

### POST D-DAY CONSUMPTION

	TOTAL	PHASE I	PHASE II	PHASE III	TOTAL
1 MAJOR REGIONAL CONFLICT "A"					
FORCES ASHORE					
FORCES AFLOAT					
SUBTOTAL					

### 2 MAJOR REGIONAL CONFLICT "B"

FORCES ASHORE  
FORCES AFLOAT  
SUBTOTAL

### MRC TOTALS

### 3 SPECIAL MISSION FORCES

### 4 PEACETIME OPERATING STOCKS

5 TRAINING REQUIREMENT 9,000

### 6 GEO PREPOSITIONED

NALMEB  
GITMO  
WRSA

### 7 RESIDUAL

4,932

### 8 REGENERATION

### APPROVED ACQUISITION OBJECTIVE

13,932

13,932

### MPS BREAKOUT

MPS 1  
MPS 2  
MPS 3

Rock 5-12

## ASSET DYNAMICS

DATE:

PROCUREMENT OBJECTIVE: 13932		DODIC: HX07		DESCRIPTION: ROCKET, 83MM HEAA PRACTIC	
ACQUISITION OBJECTIVE: 13932					
LEADTIME 21					
30 SEPT 1993		FY 1994	FY 1995	FY 1996	FY 1997
*****					
BUY SUMMARY:					
UNIT PRICE:	\$0.0000	\$0.0000	\$0.0000	\$1,388.6500	\$0.0000
TOTAL PRICE:	\$0	\$0	\$0	\$6,885,000	\$0
FY BUDGET QTY:	0	0	0	4958	0
*****					
GAINS:					
FDP DELIVERIES:	0	0	0	0	1240
OTHER ( 93 & PRIOR)	0	0	0	0	0
TOTAL:	0	0	0	0	1240
*****					
LOSSES:					
COMBAT:	0	0	0	0	0
COMBAT ALLIES:	0	0	0	0	0
PEACETIME:	257	6491	6491	6491	6491
WASHOUT:	80	79	60	60	40
SALES:	0	0	0	0	0
OTHER:	0	0	0	0	0
TOTAL:	337	6570	6551	6551	6531
*****					
NET CHANGE (+/-)					
	-337	-6570	-6551	-6551	-5292
*****					
ASSET POSITION:					
STD SERVICEABLE:	26804	26467	19896	13345	8054
UNSERVICEABLE:	0	0	0	0	0
MAINTENANCE:	0	0	0	0	0
SUBSTITUTE:	0	0	0	0	0
TOTAL:	26804	26467	19896	13345	8054
*****					
\$ VALUE:	\$0	\$0	\$0	\$18,532,228	\$0
*****					
RECOMMENDED BUY QTY	-12872	-12535	-5964	587	5878
\$ VALUE:	\$0	\$0	\$0	\$814,444	\$0
*****					
DEFICIENCY A.O.	-12872	-12535	-5964	587	5878
\$ VALUE:	\$0	\$0	\$0	\$814,444	\$0
*****					
PERCENT OF	192%	190%	143%	96%	58%
OBJECTIVE:					

[illegible]

AC NO.	MANUFACTURER NAME & LOCATION	PRODUCTION RATES		MONTHS TO MAX AFTER DAY	REMARKS:
		MINIMUM	185 MAXIMUM		
					QUANTITY IN THOUSANDS
					PROCUREMENT LEAD TIME
					ADMIN LEAD TIME PRODUCTION
					PRI OCT/AFT OCT
					AFTER OCT
					INITIAL 6.00   9.00   18.00   27.00
					REORDER 6.00   9.00   12.00   21.00

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